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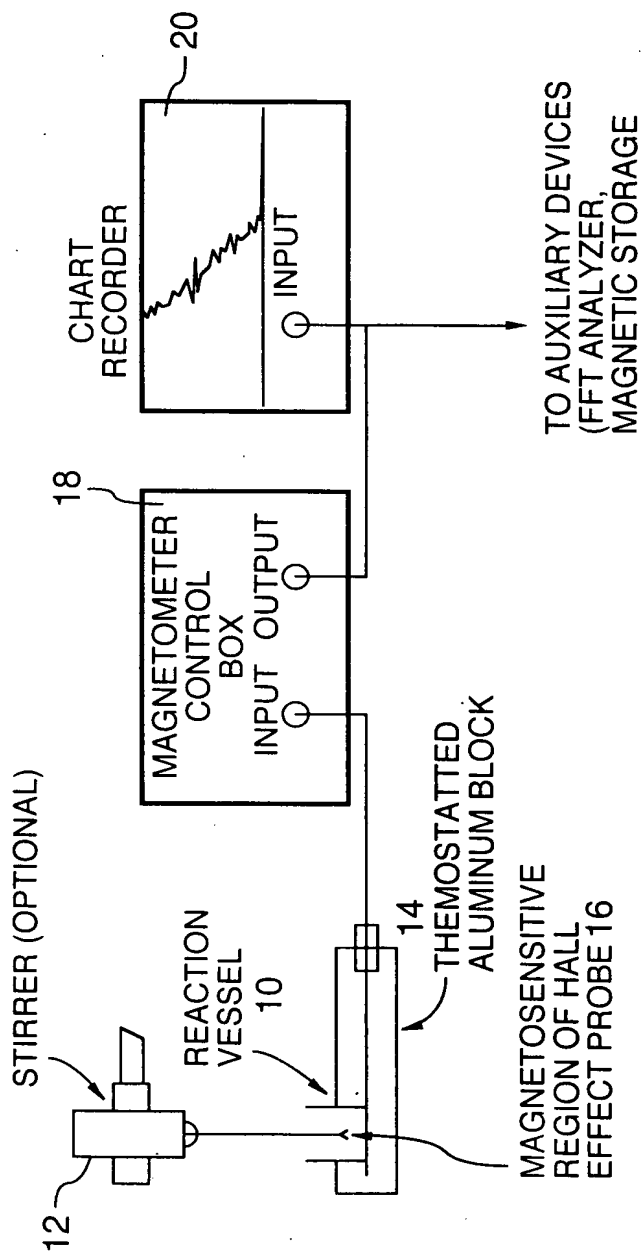
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INSTRUMENTATION, BLOCK DIAGRAM

FIG.1A

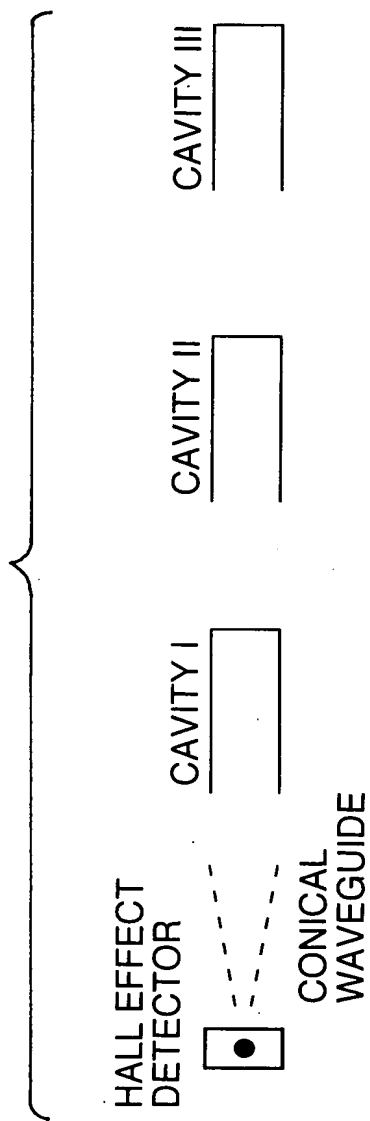


FIG.1B

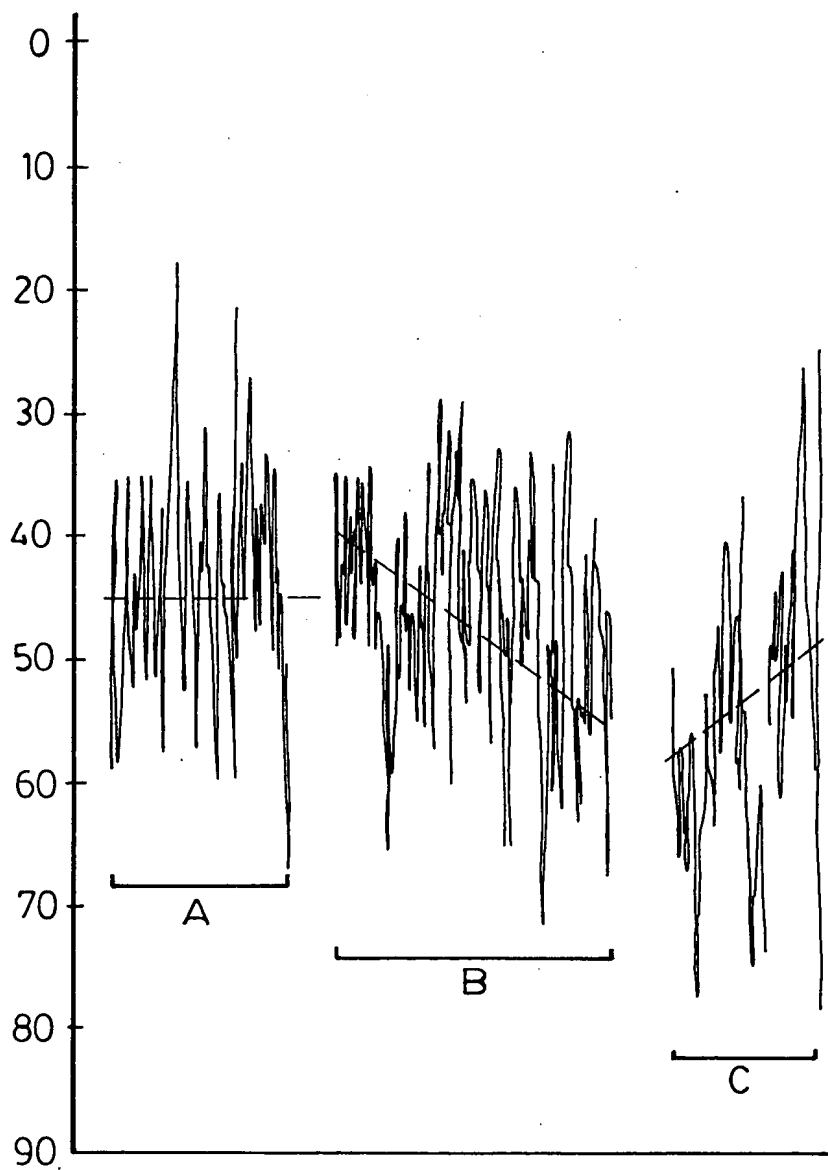


FIG.1c

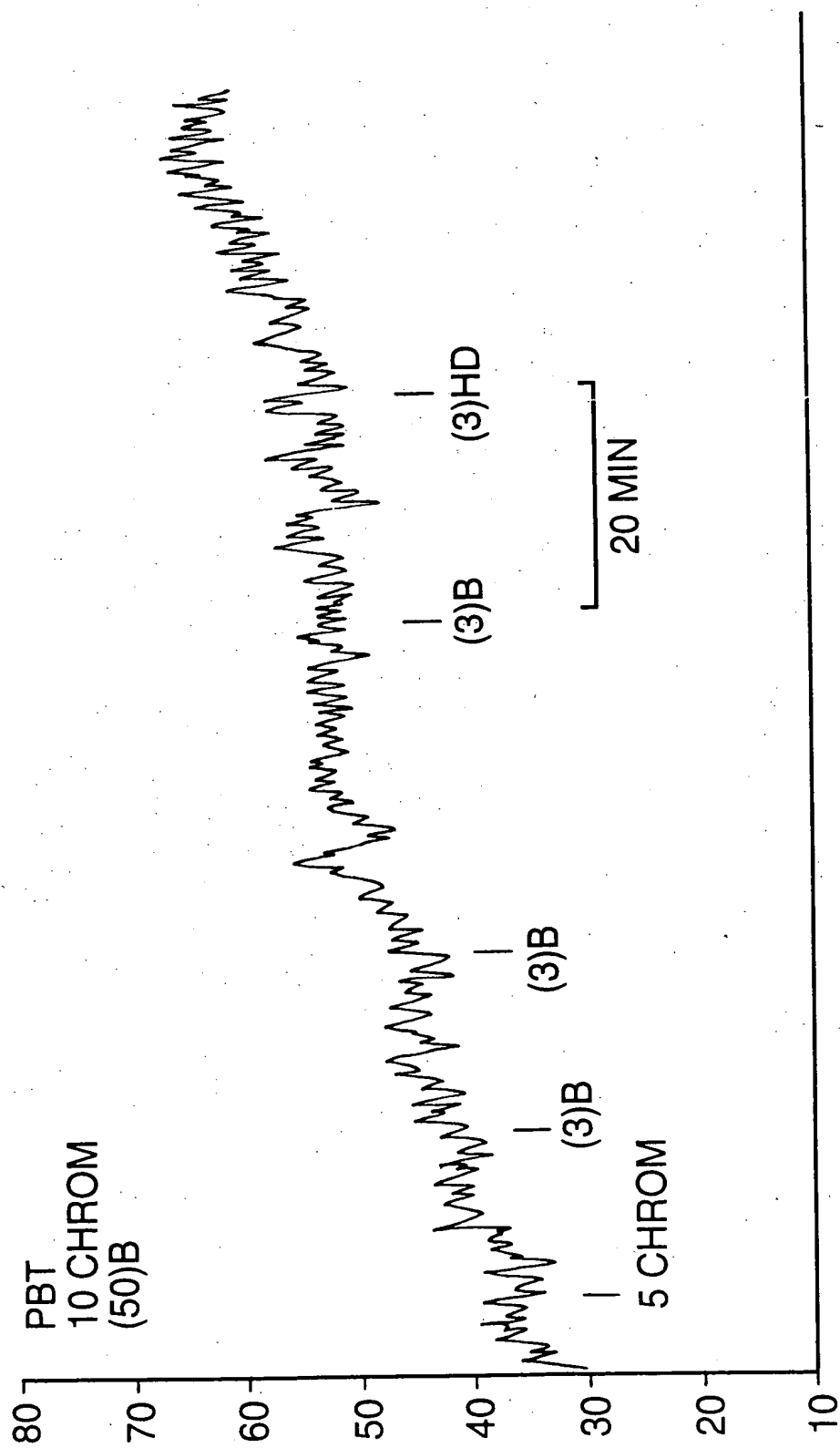


FIG.2.

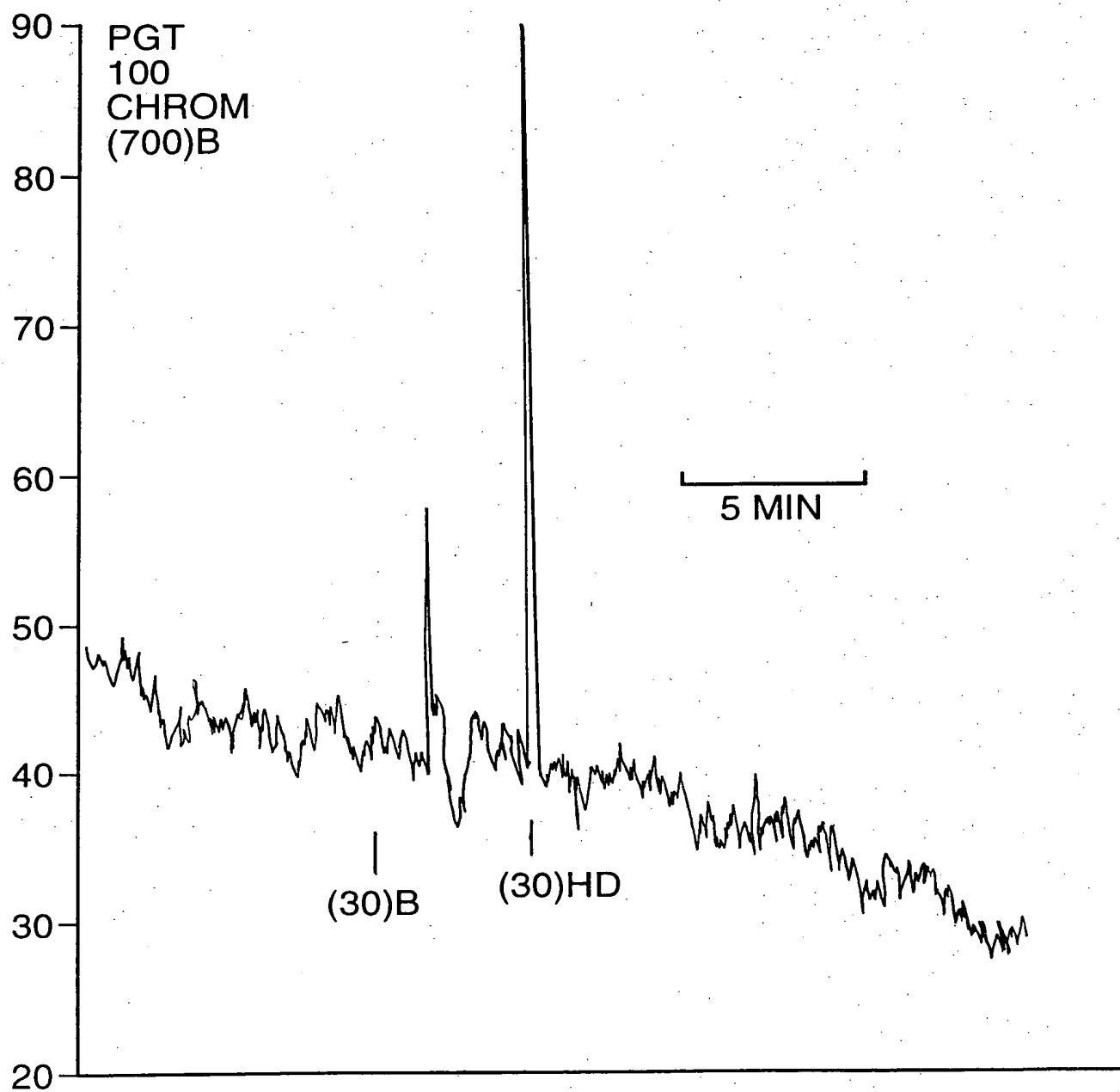


FIG.3.

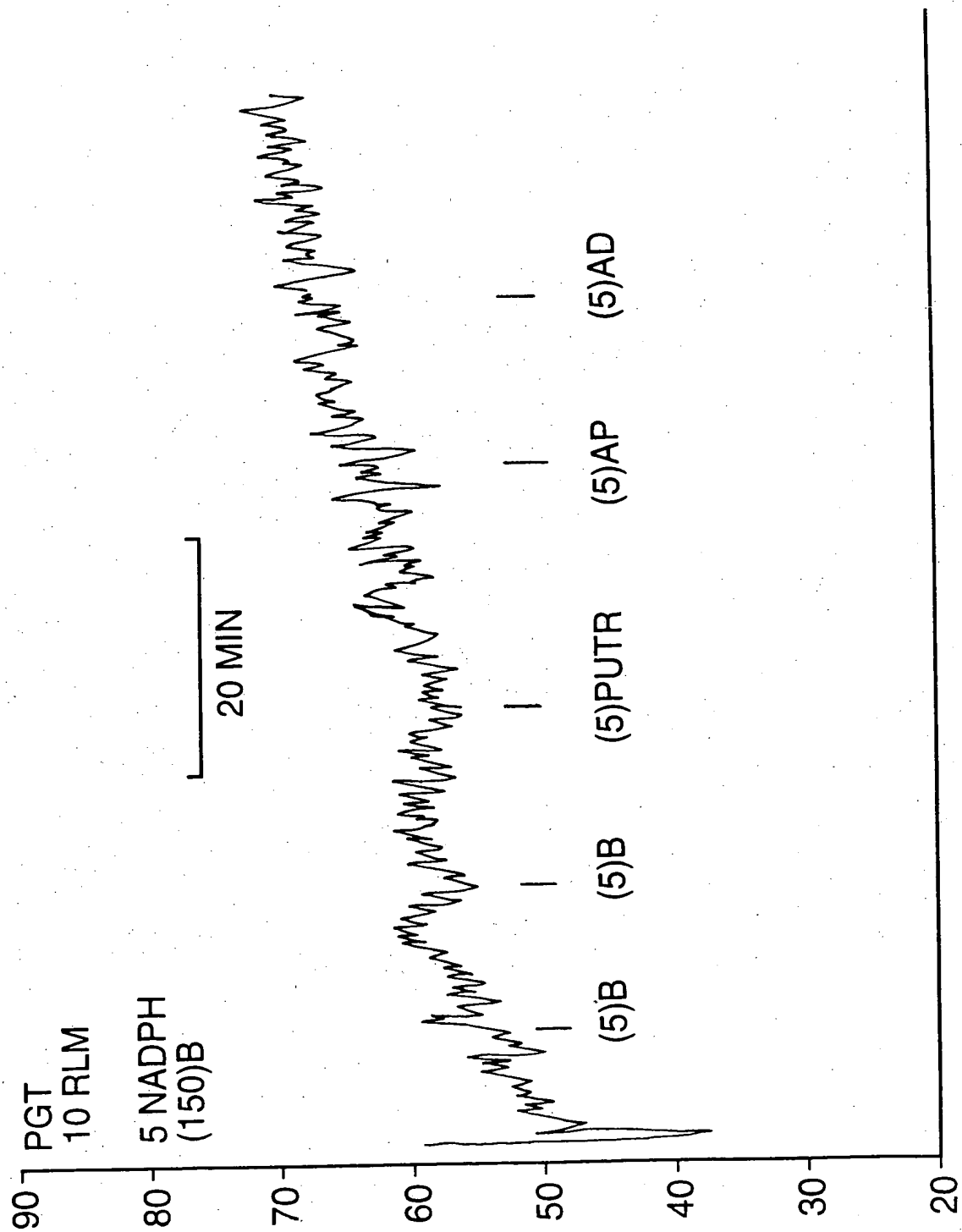


FIG.4.

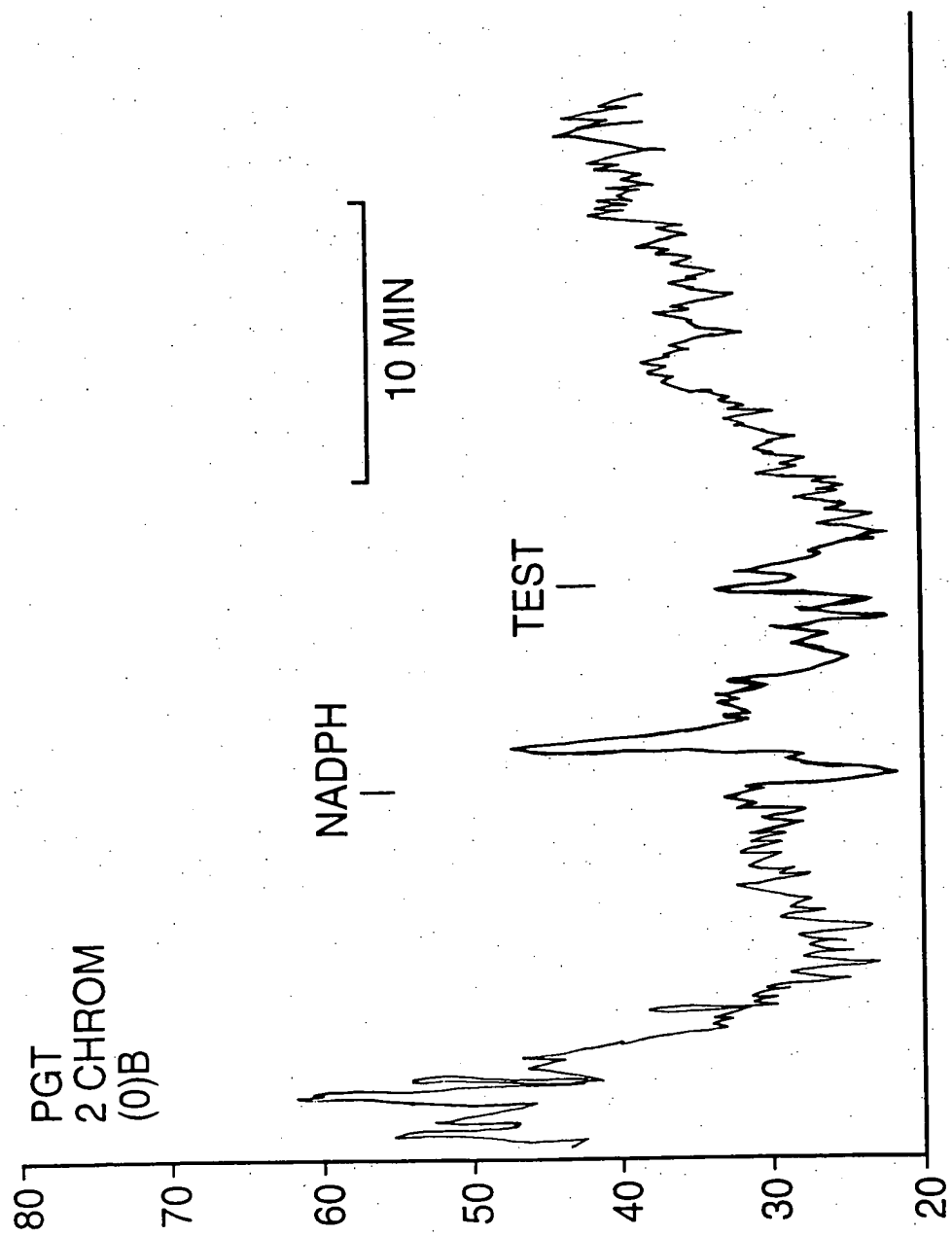


FIG.5.



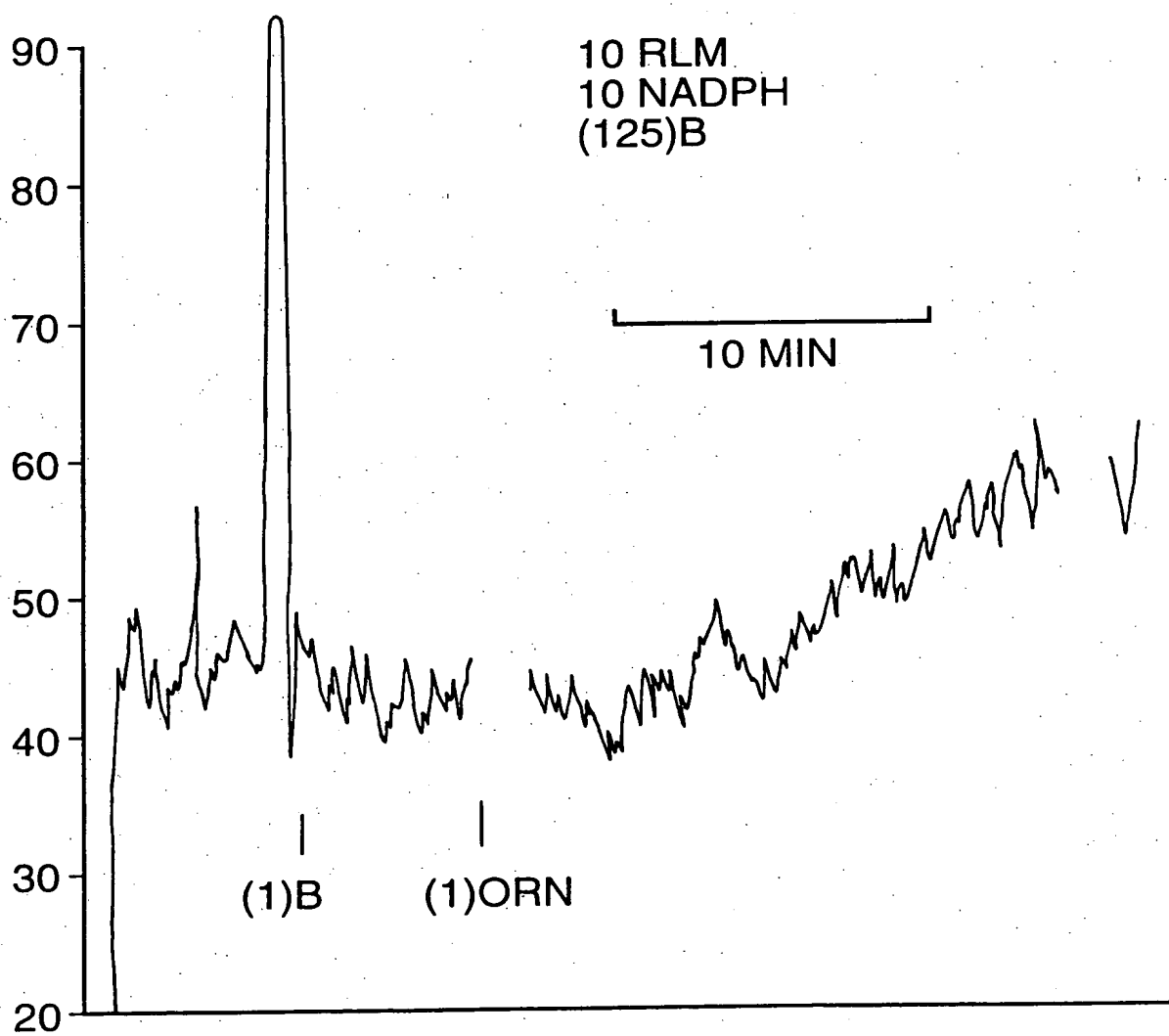


FIG.6.

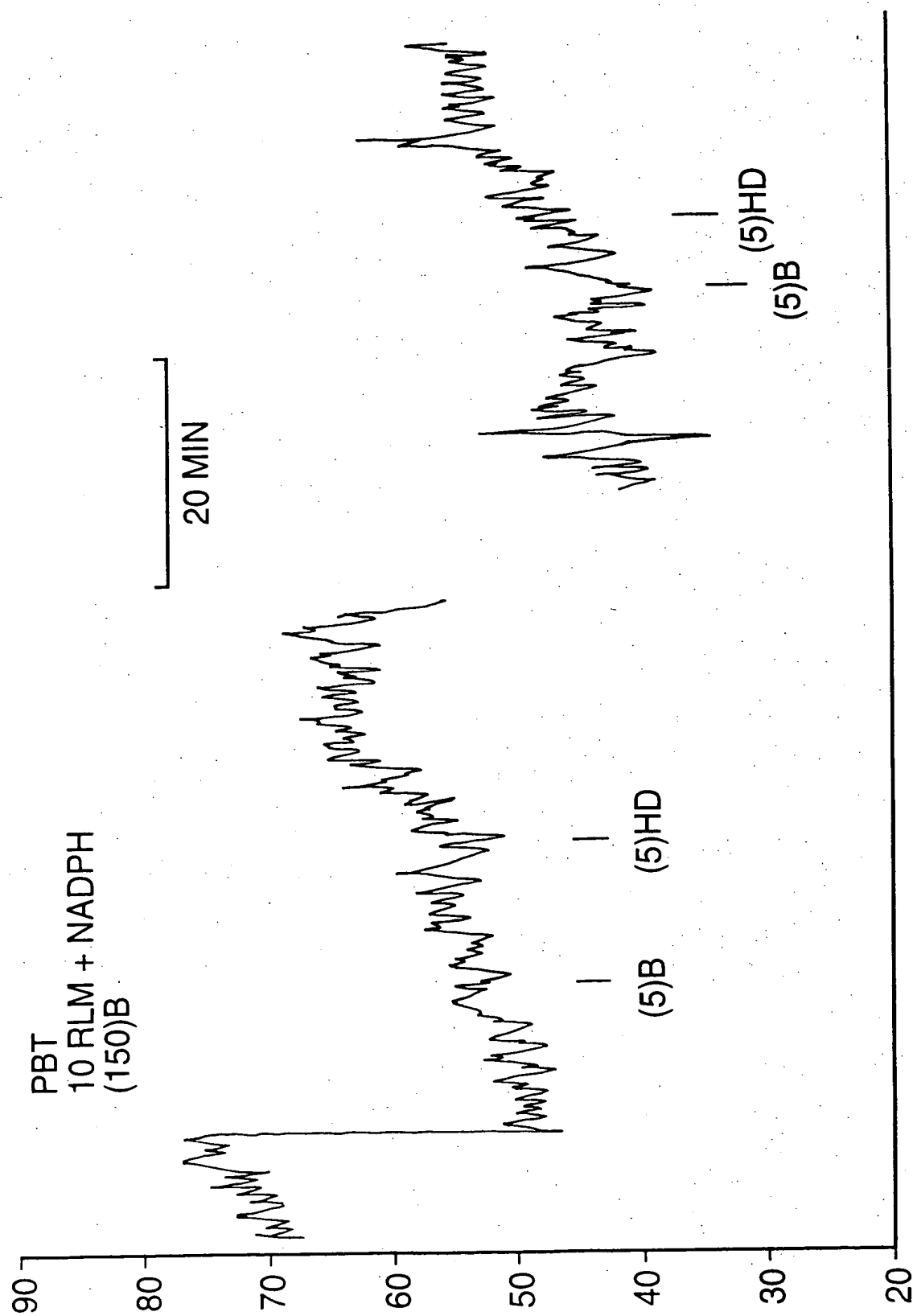


FIG.7.

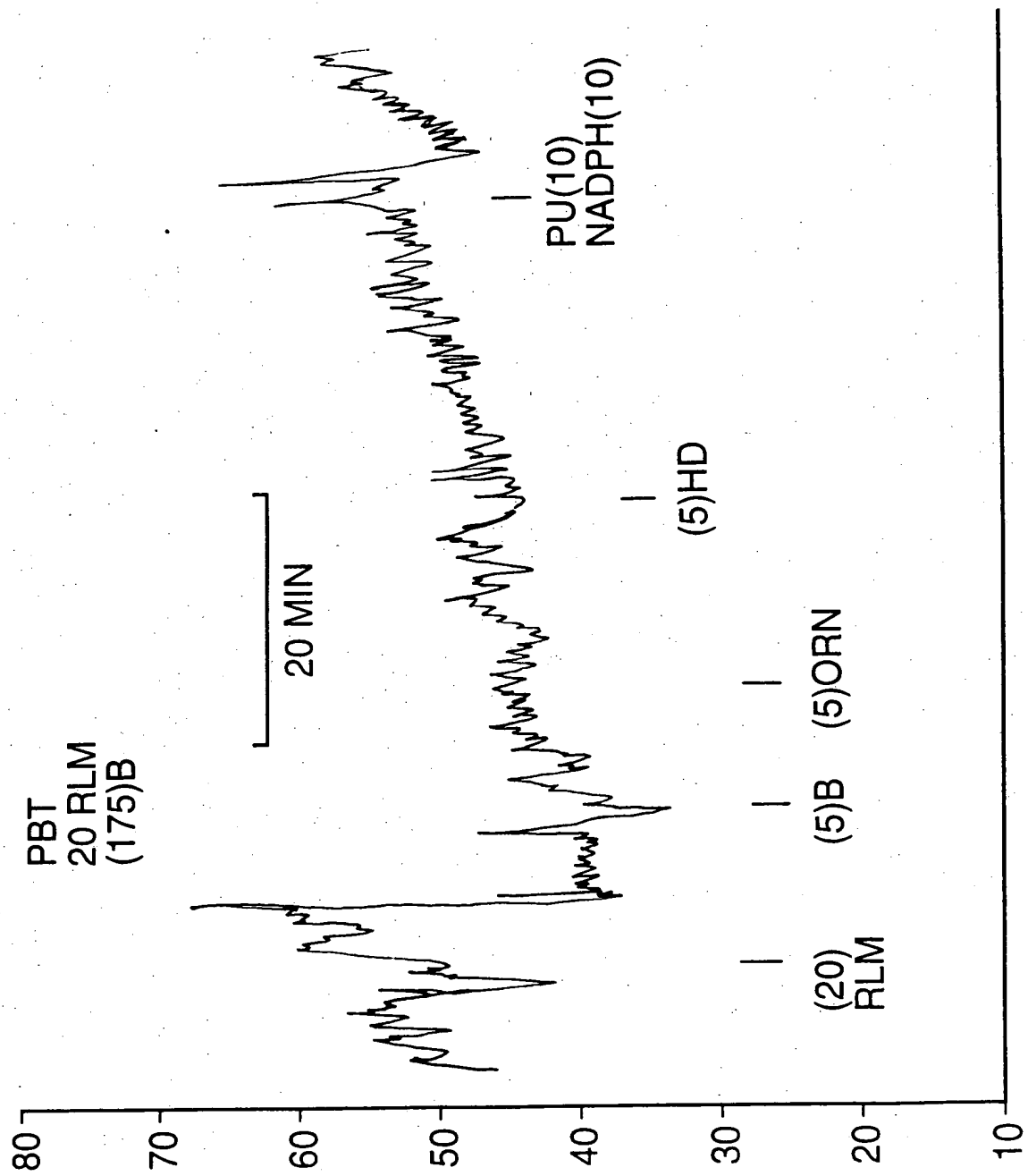


FIG.8.

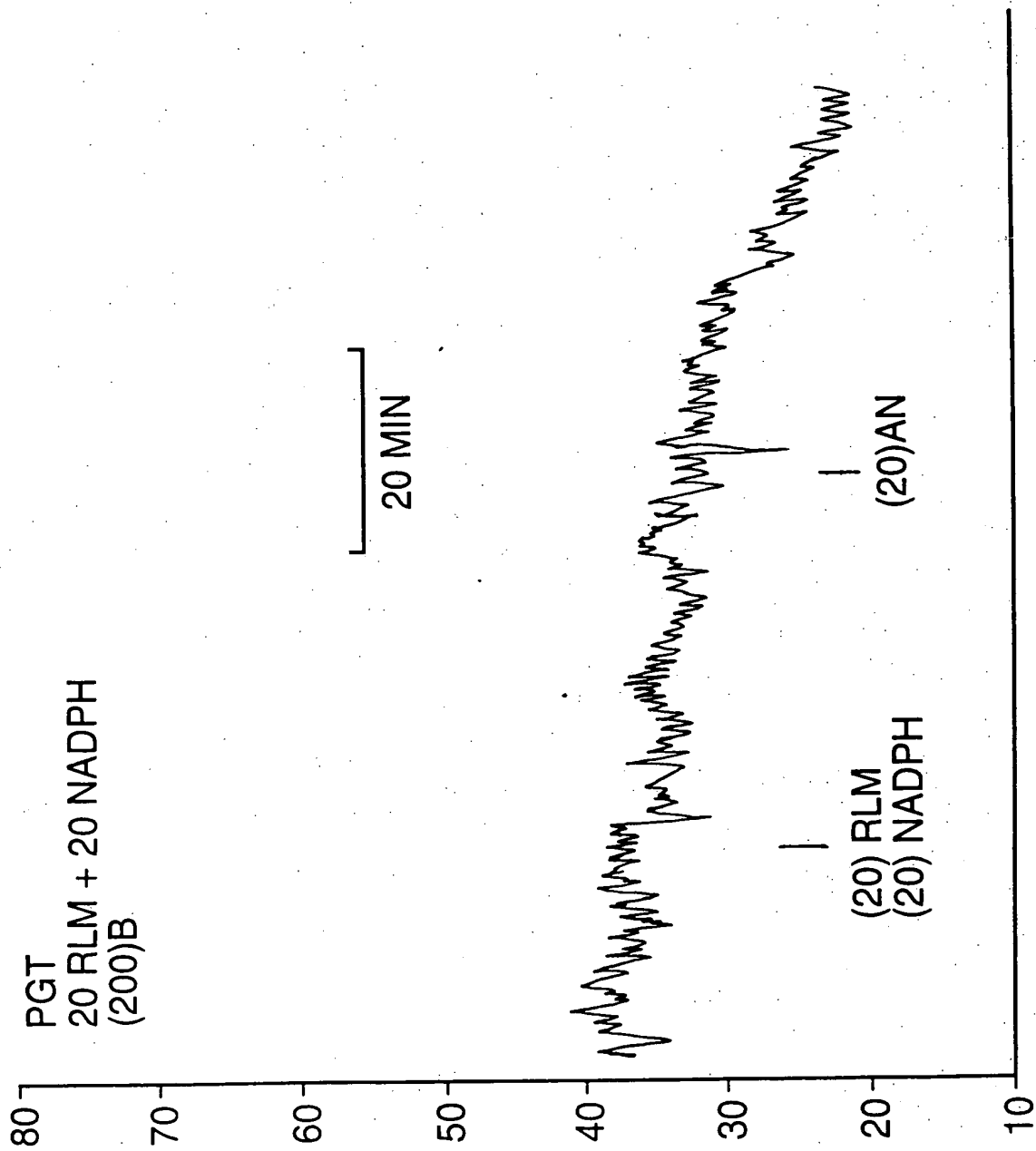


FIG.9.

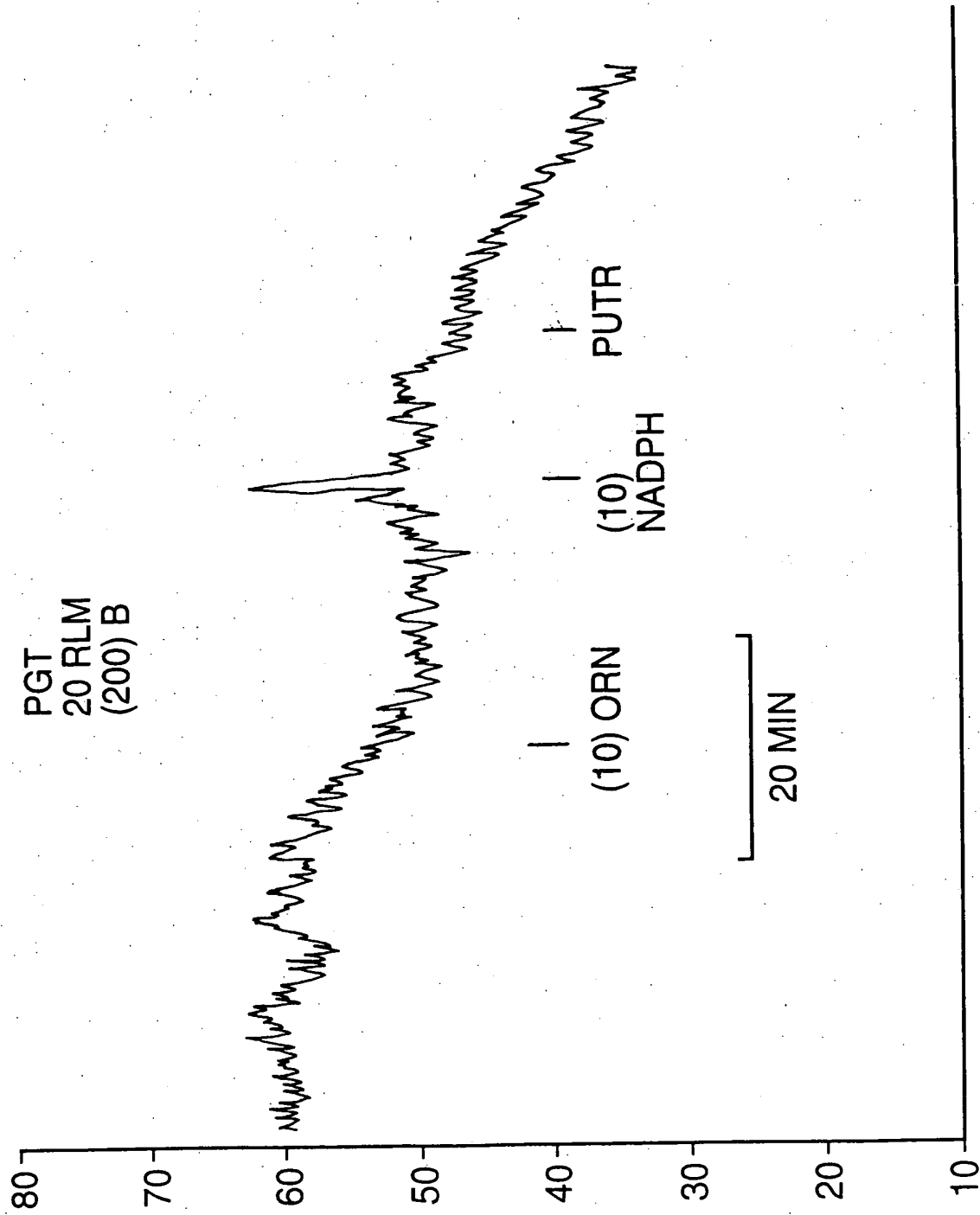


FIG.10.

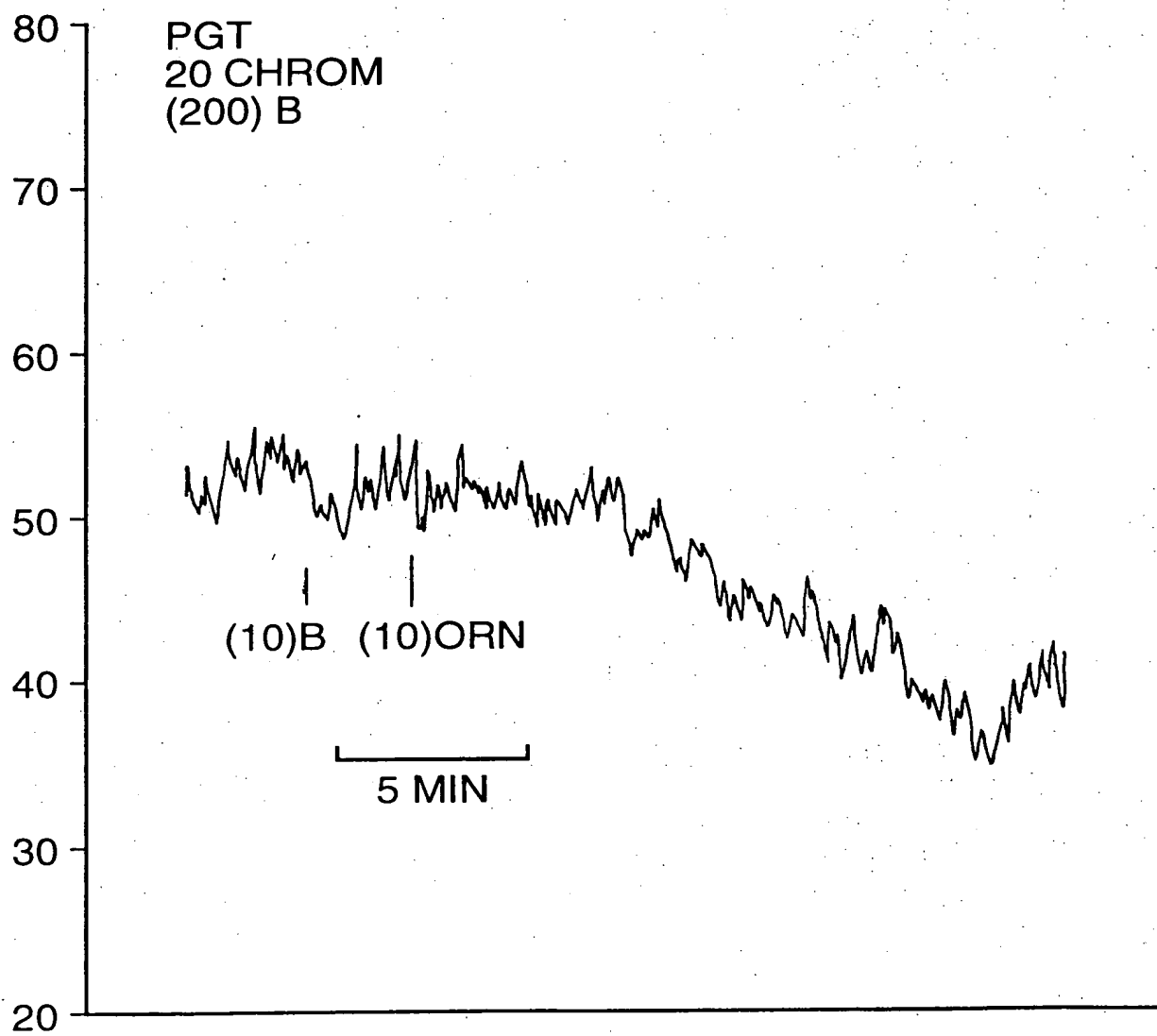


FIG.11.

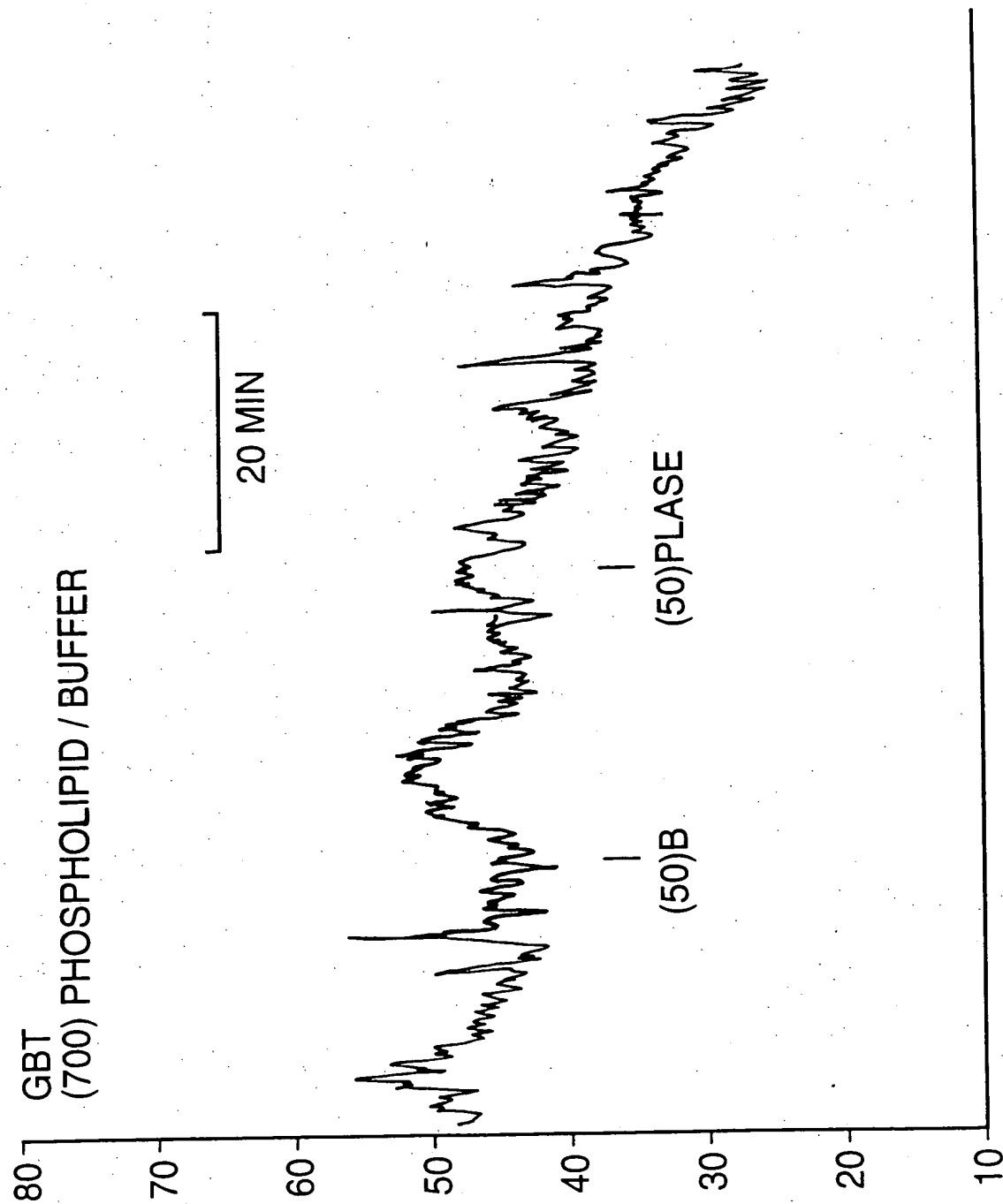


FIG.12.

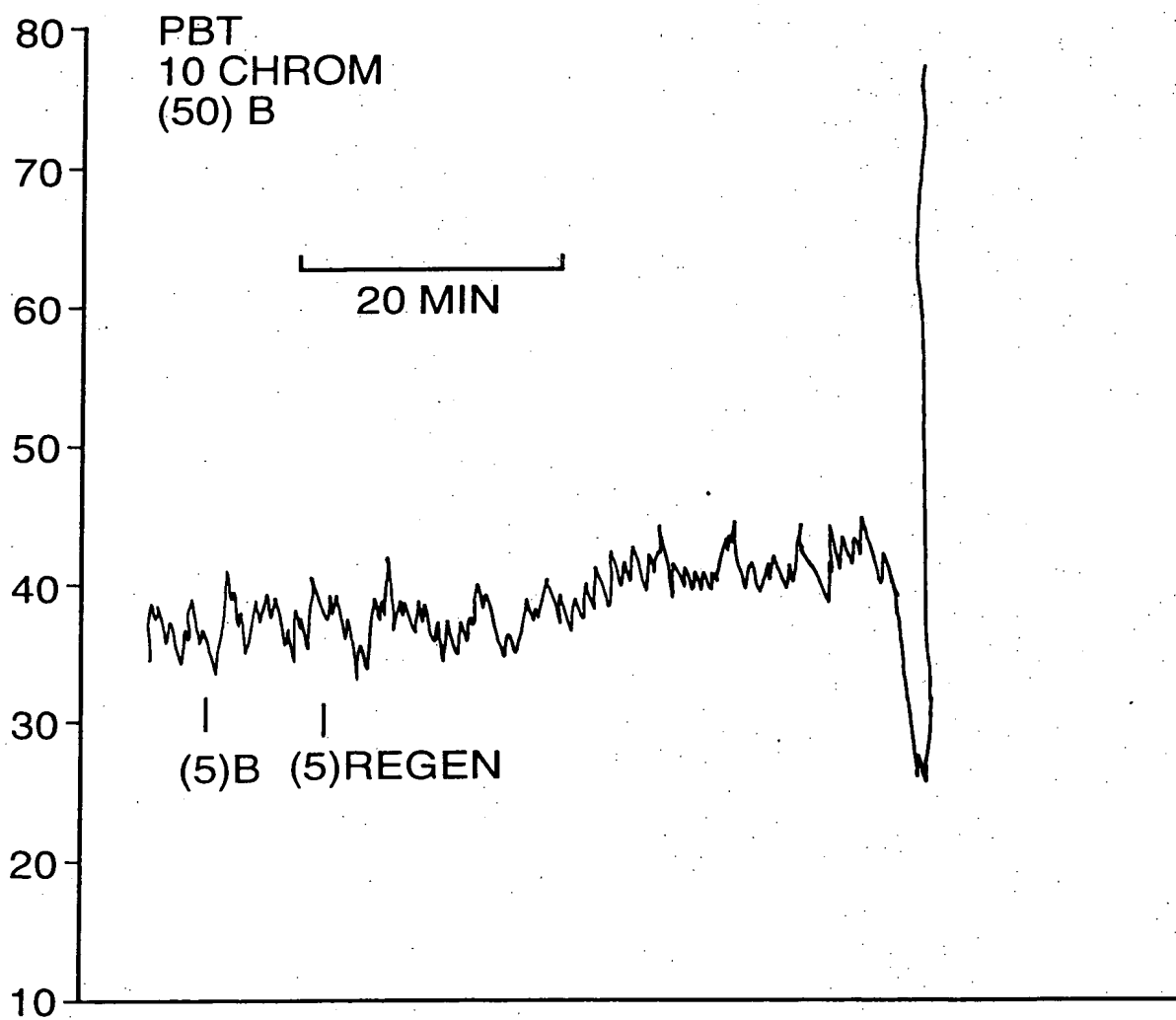


FIG.13.



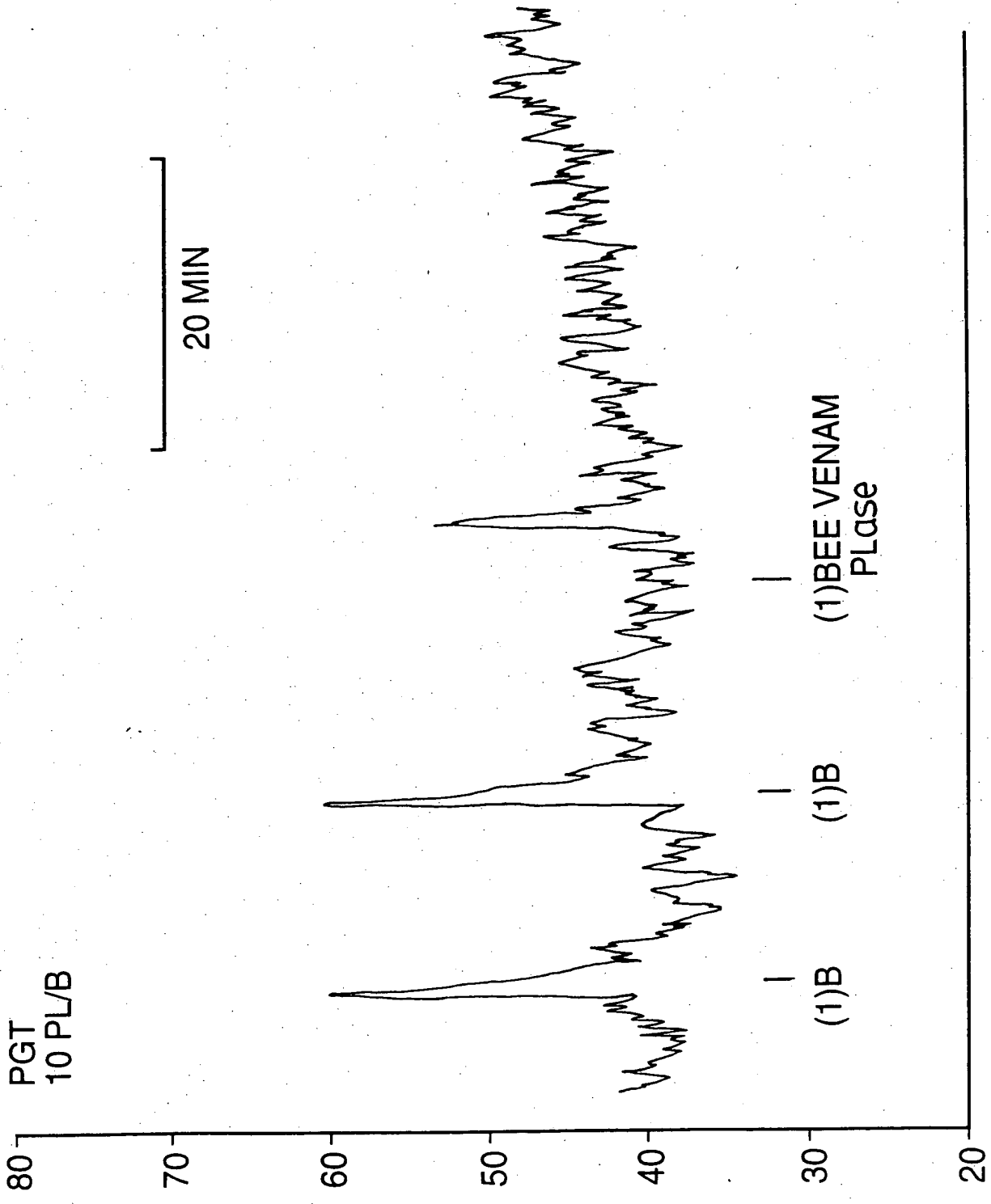


FIG.14.

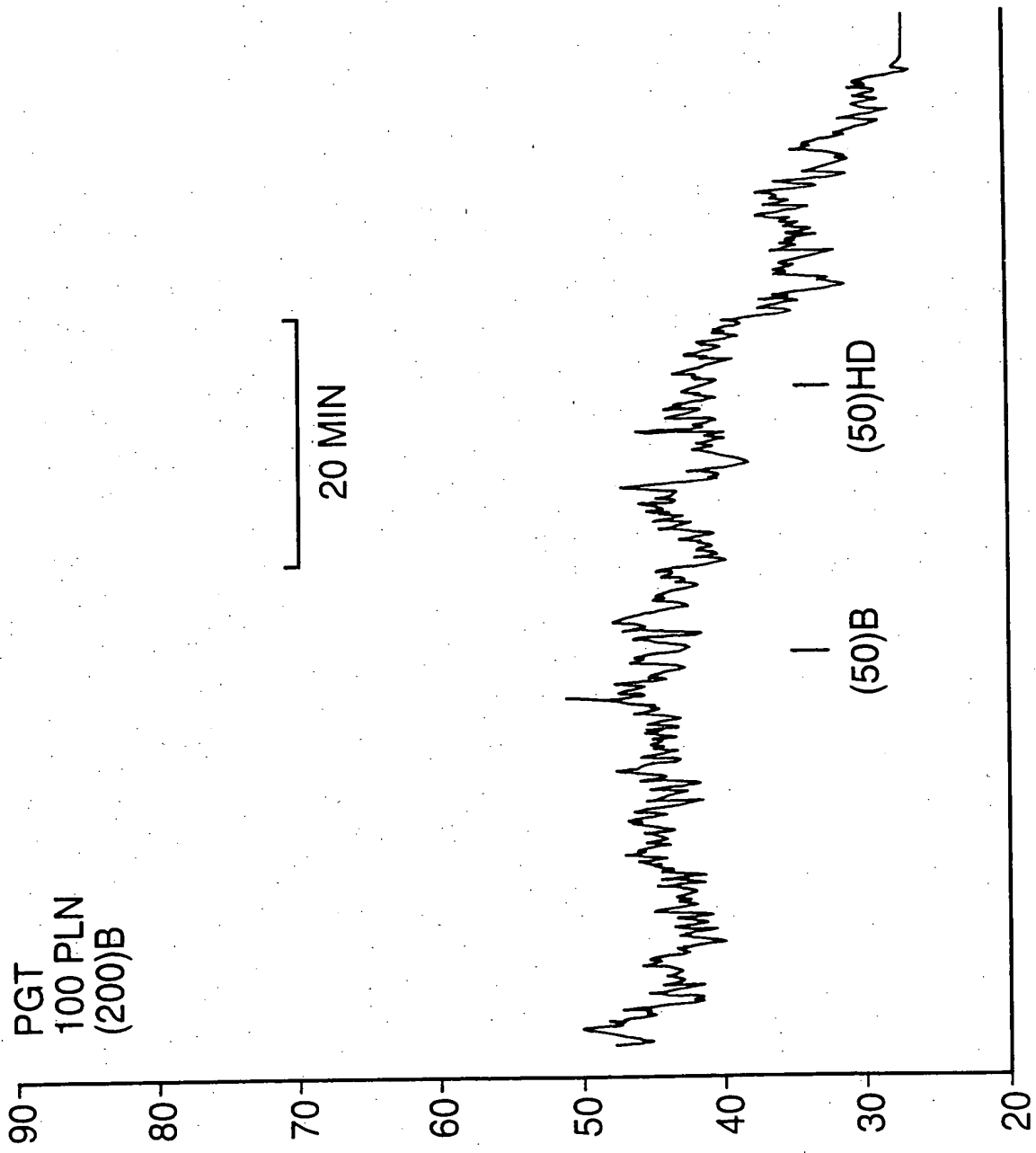


FIG.15.

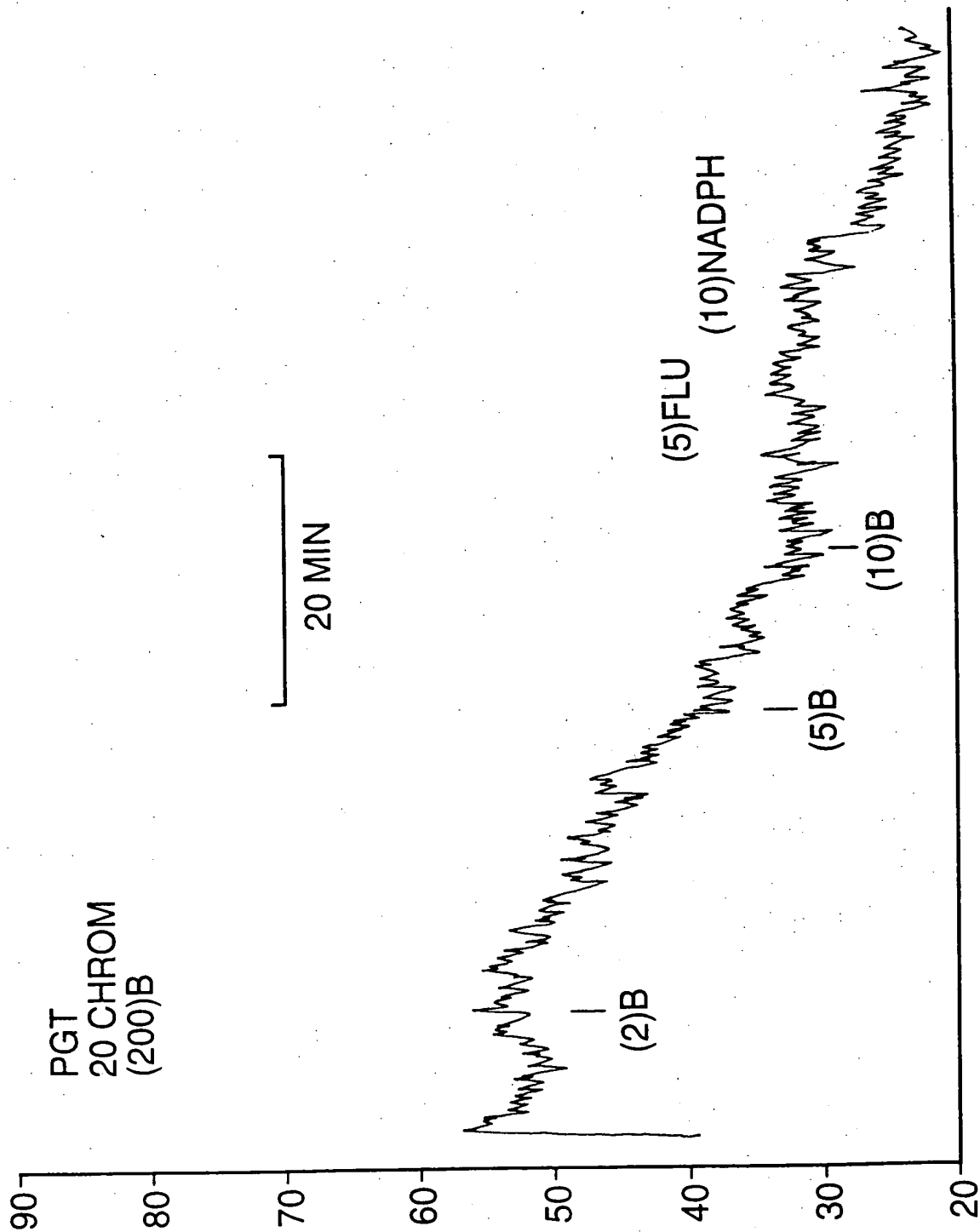


FIG.16.

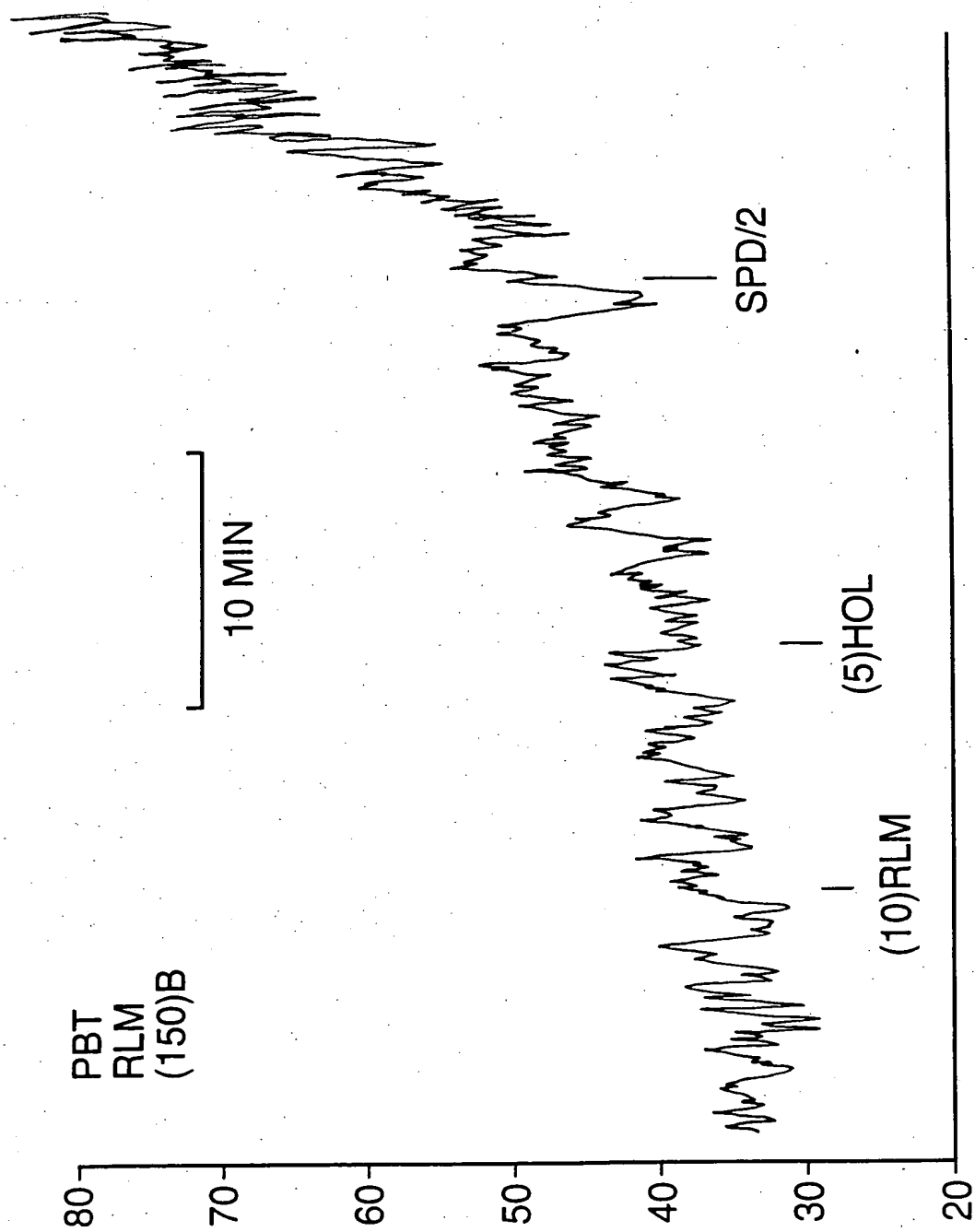


FIG.17.

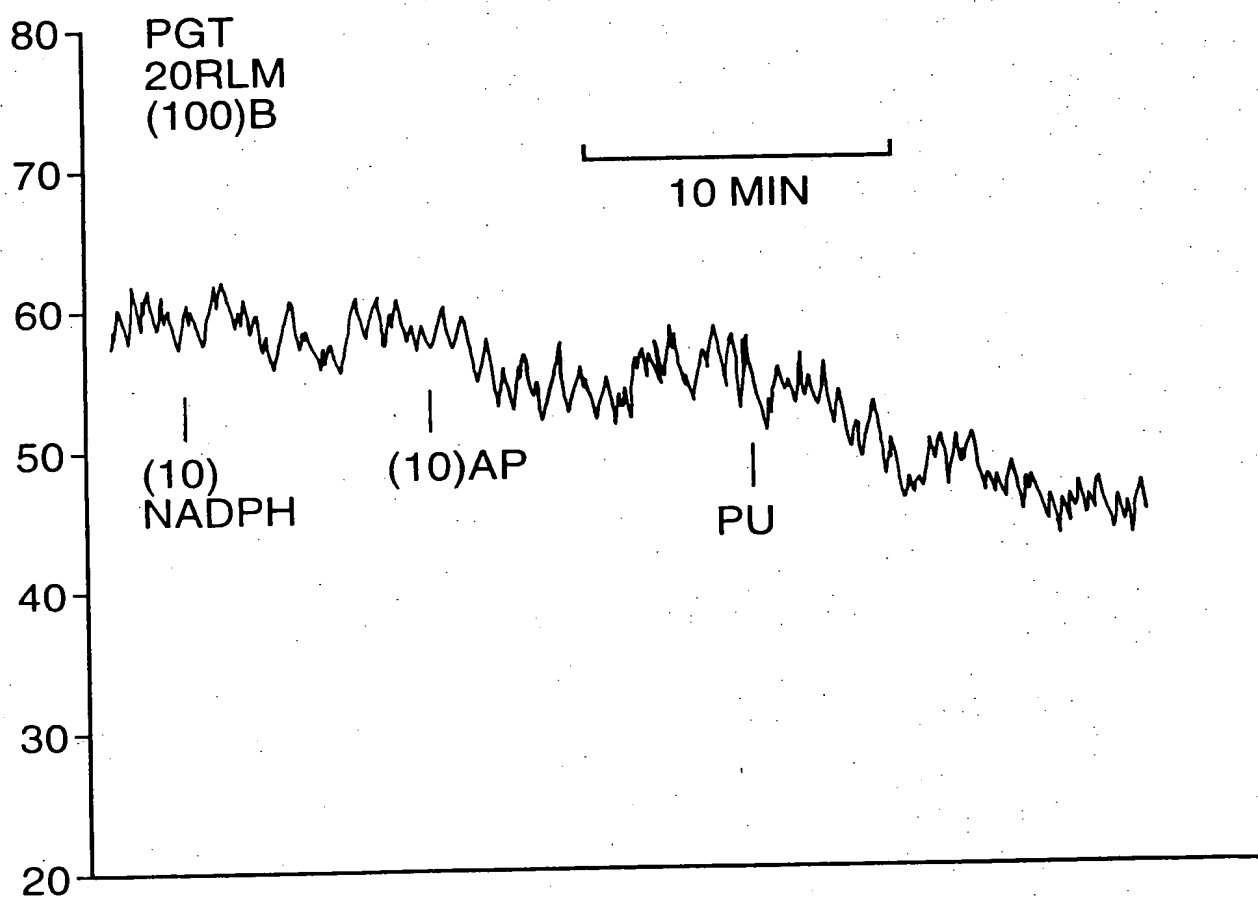


FIG.18.

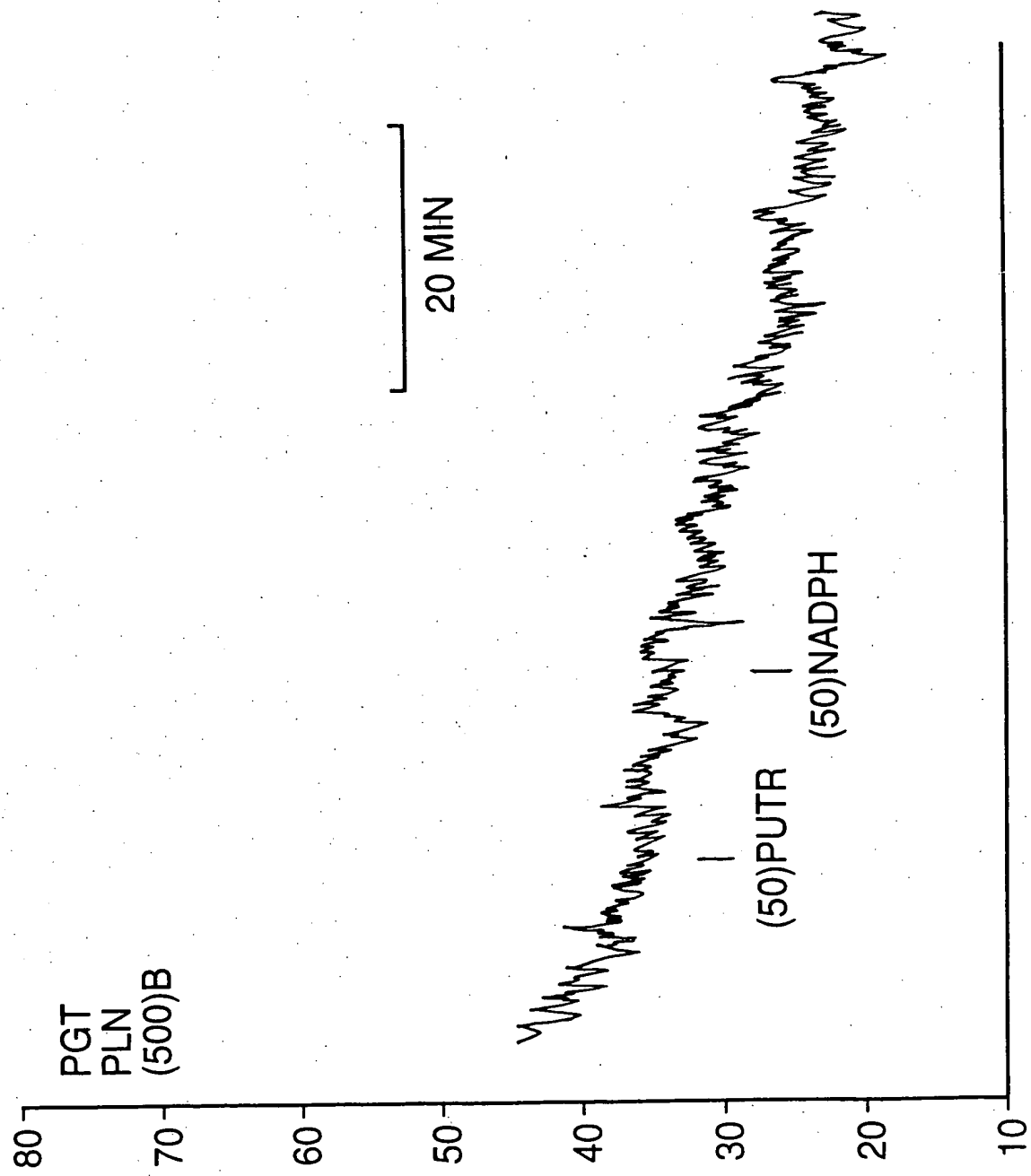


FIG.19.

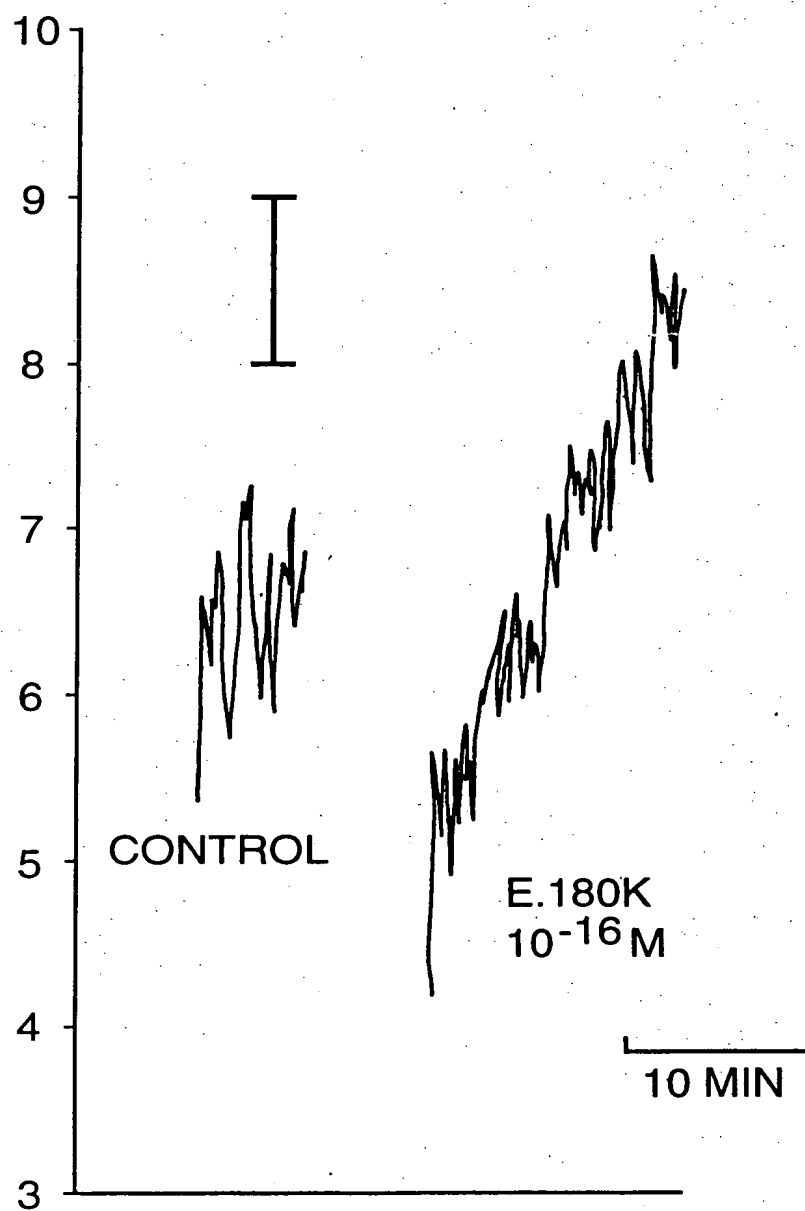


FIG.20.

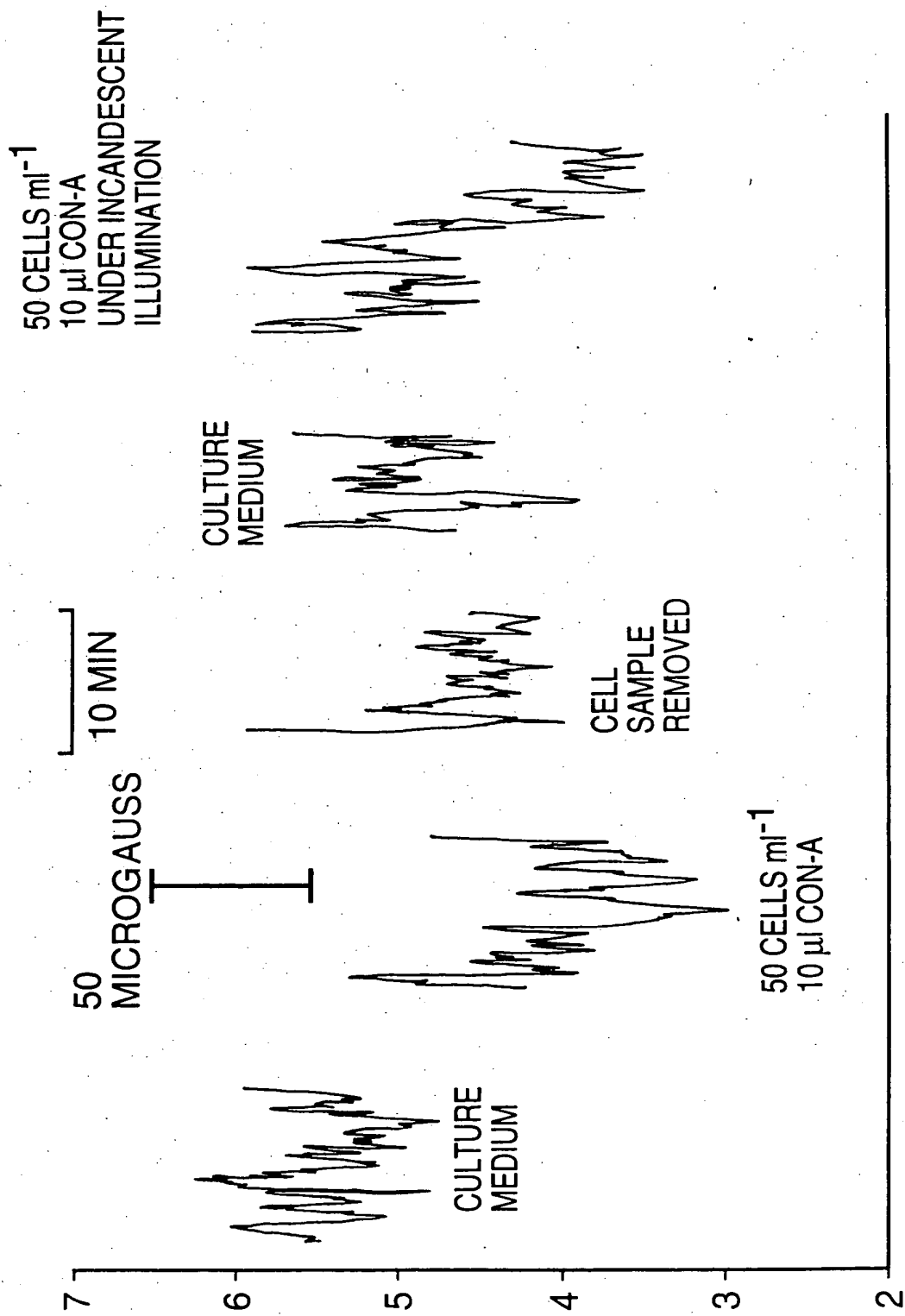


FIG.21.



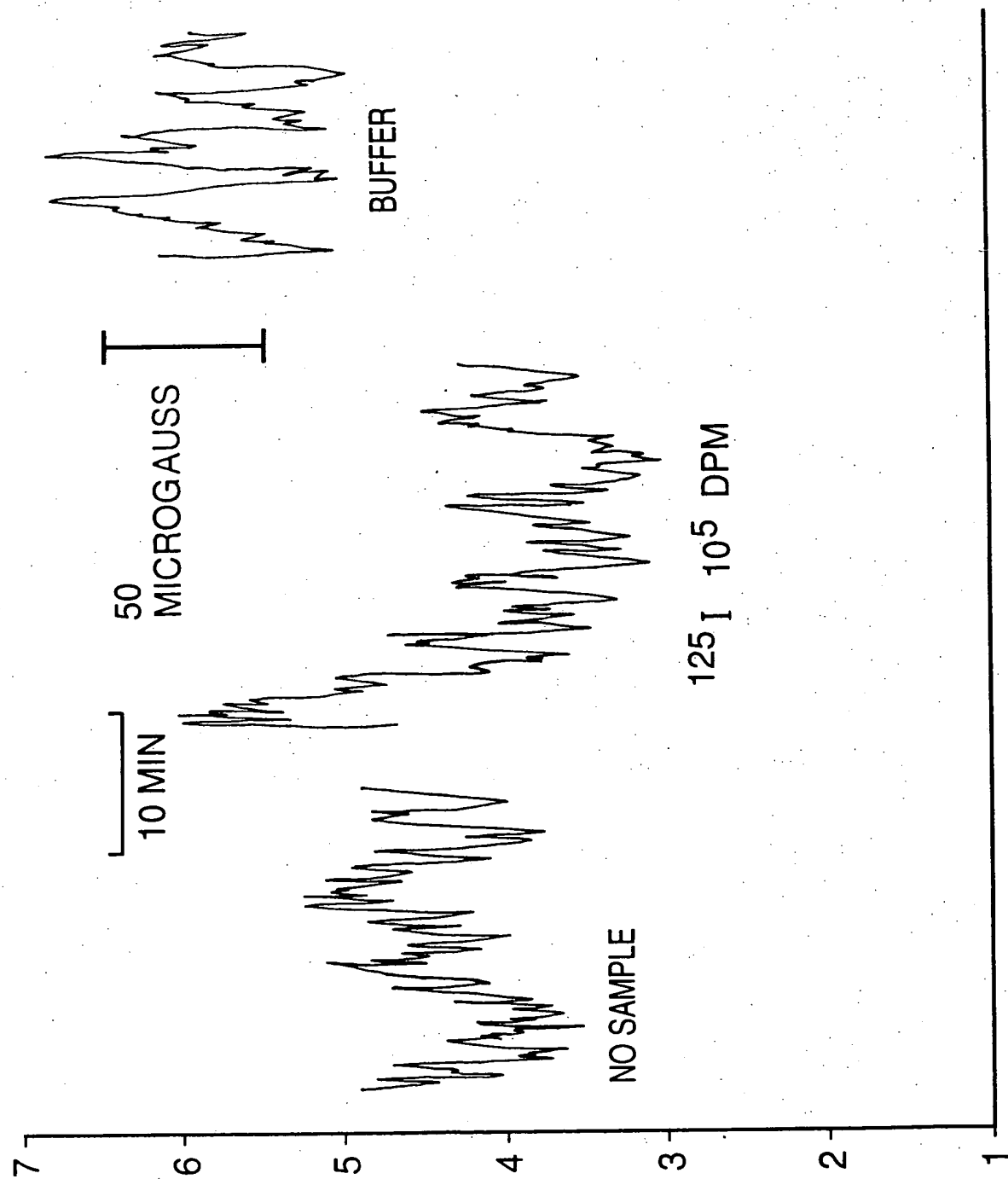


FIG.22.

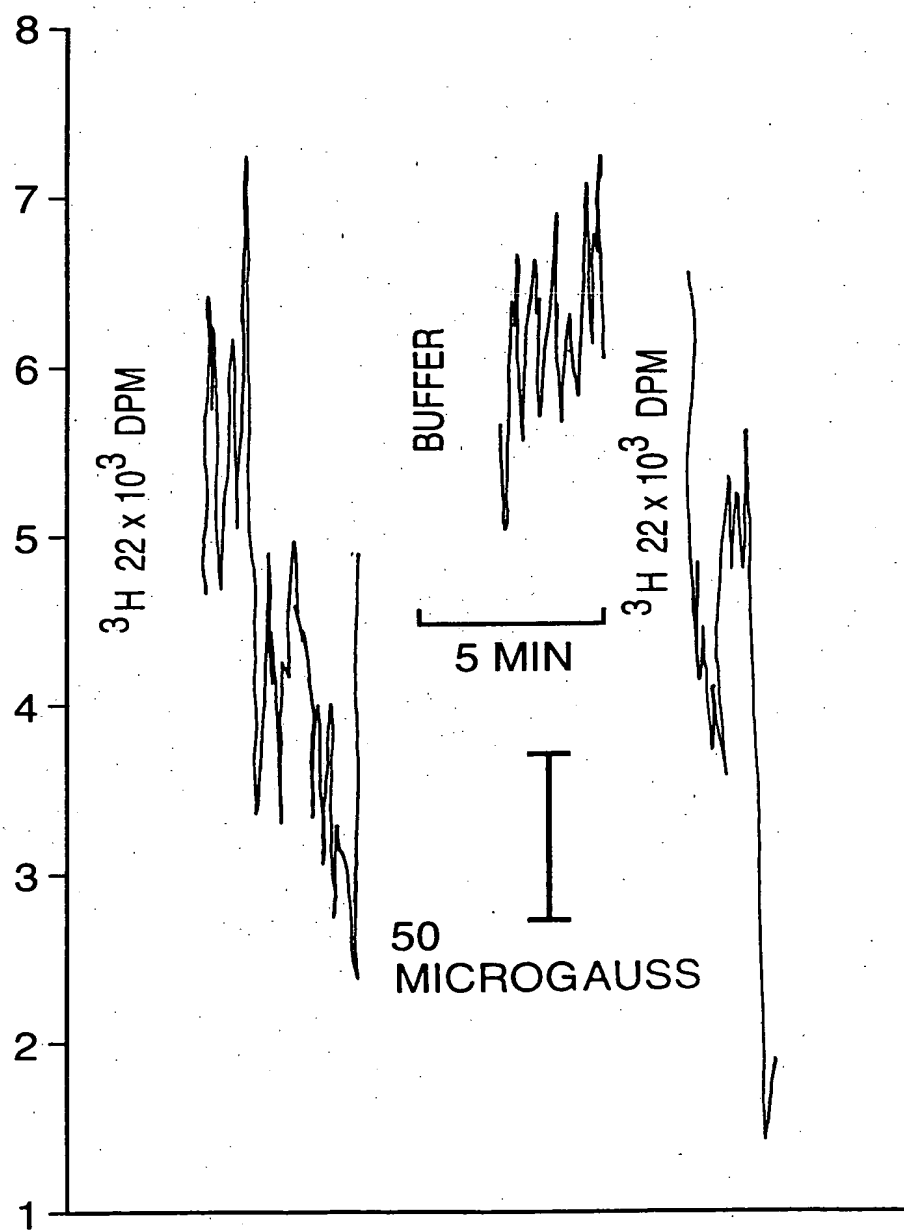
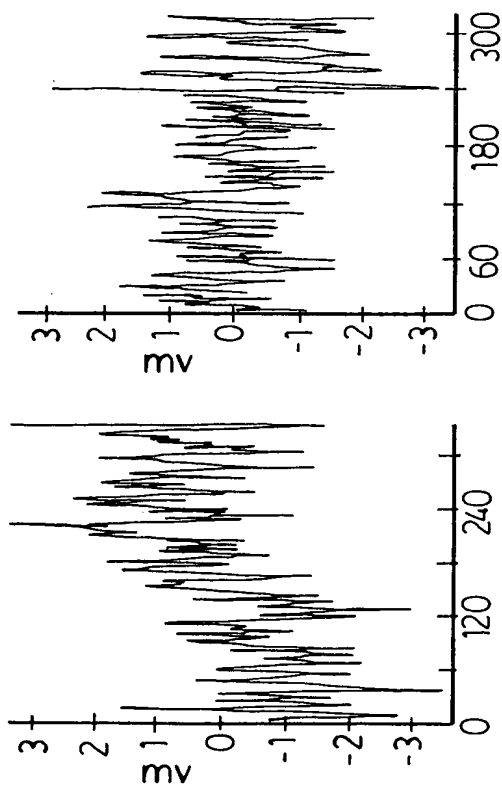


FIG.23.

FOUR INDIVIDUAL RUNS WITH HYDRAZINE



FOUR INDIVIDUAL RUNS WITH A CONTROL  
BOTTLE

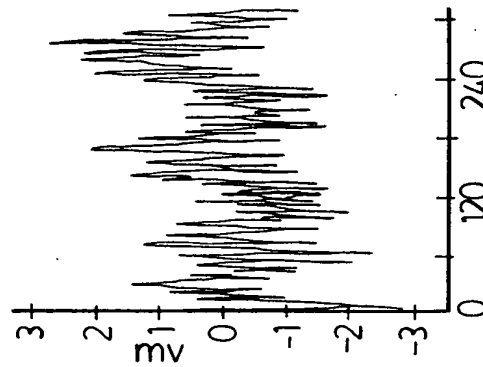
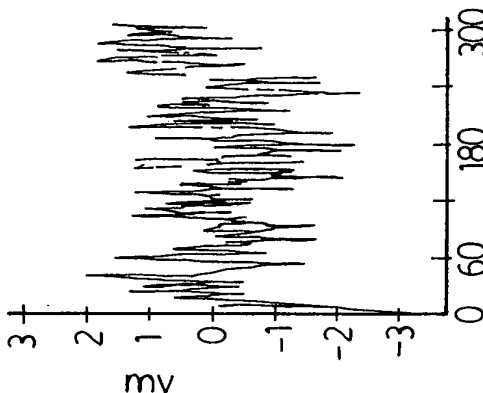
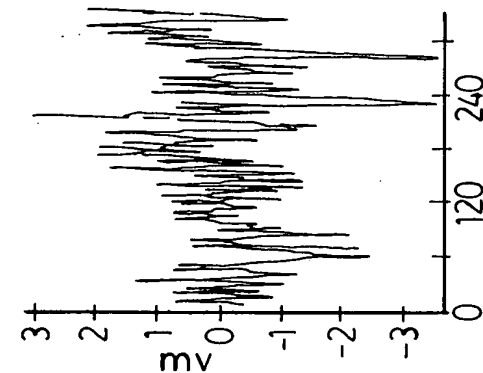
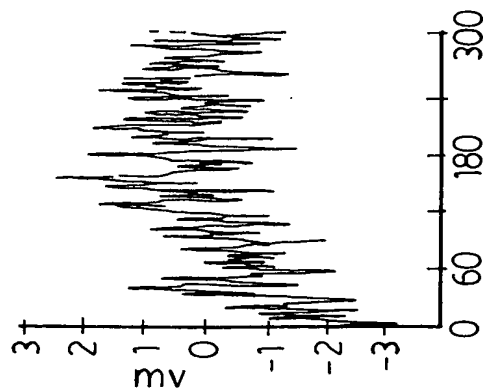
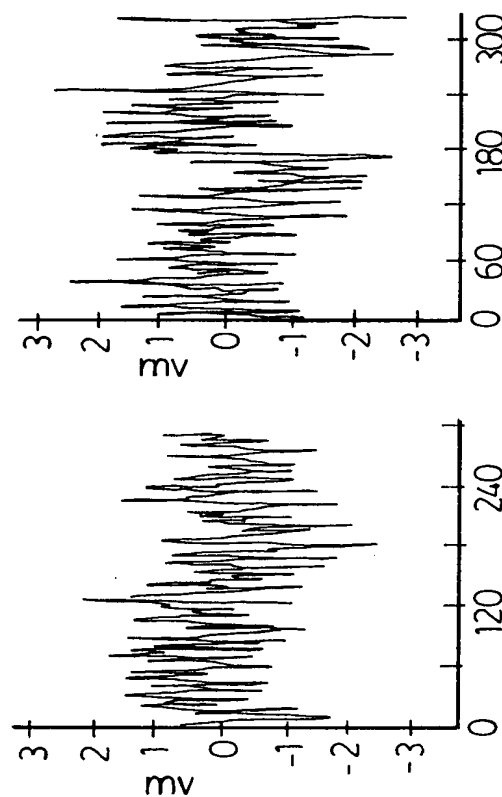


FIG.24

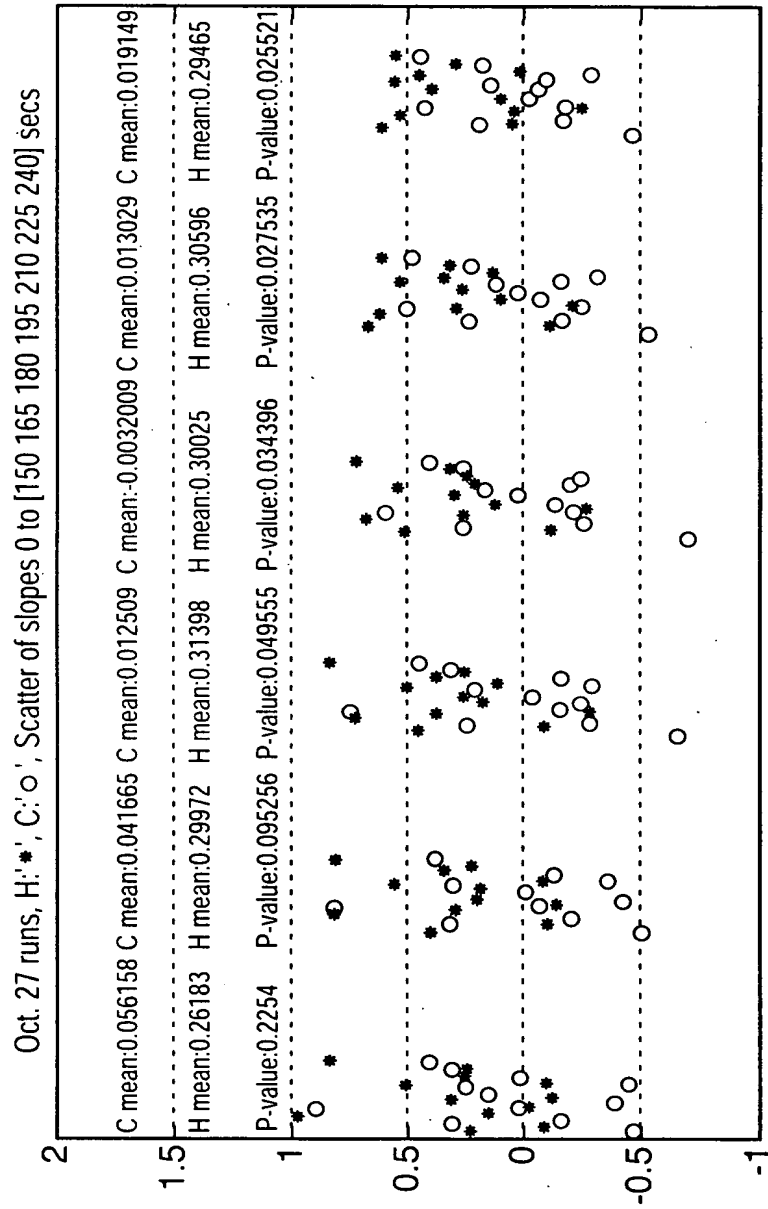


FIG.25A

H:\*, C:o', Scatter of 95% Confidence Limits on slopes

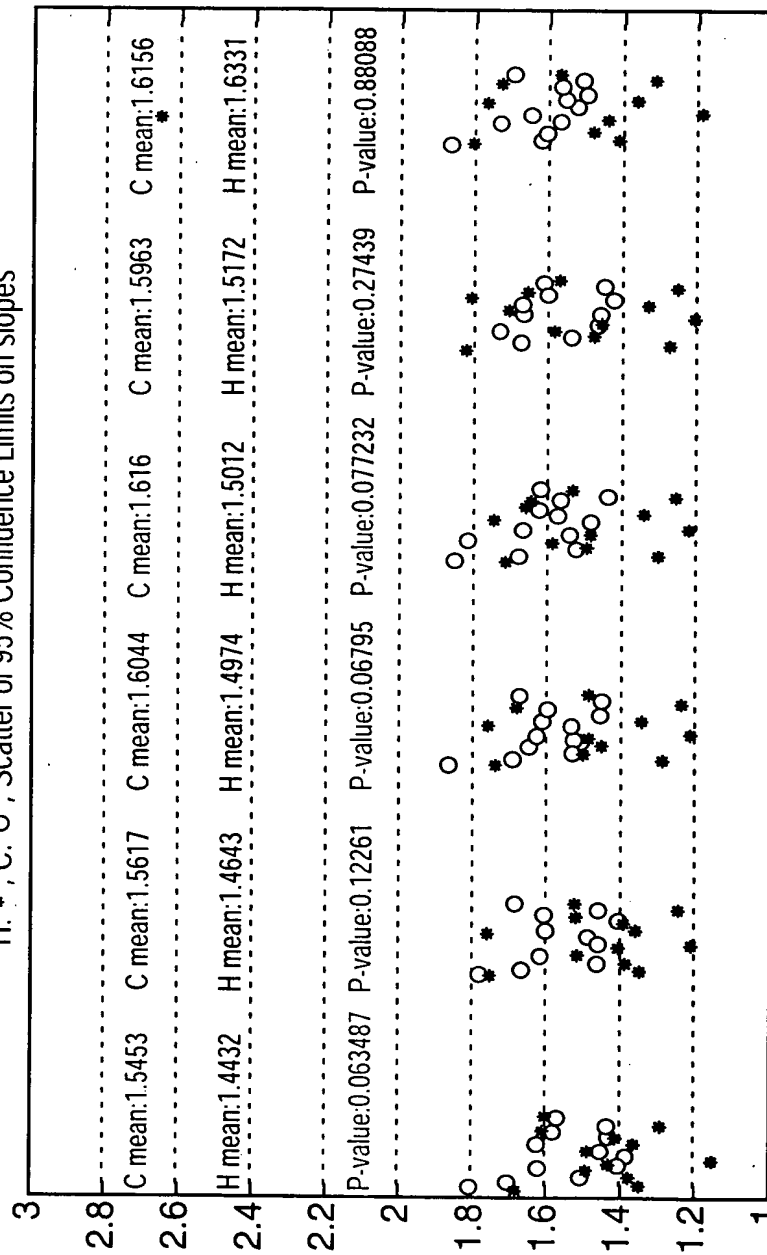


FIG.25B

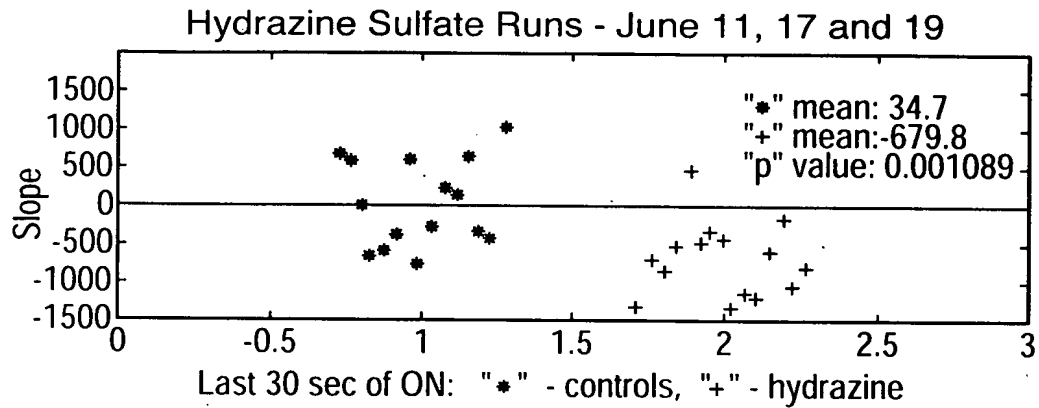


FIG.26A

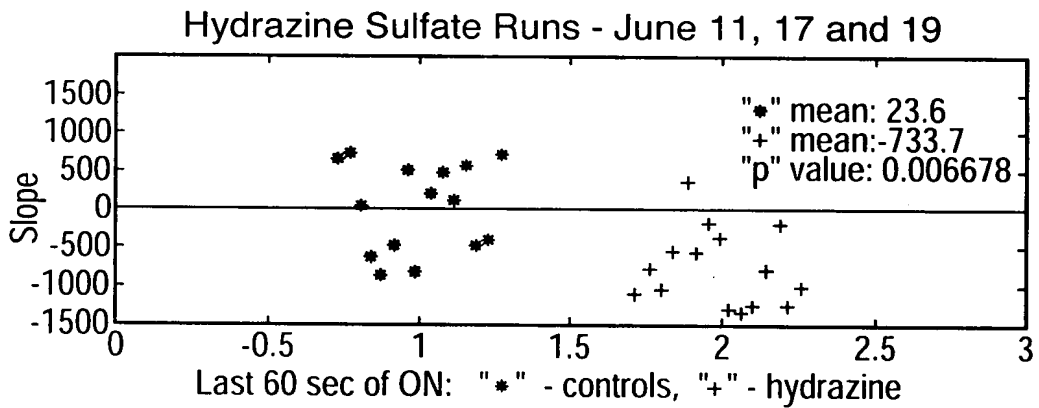


FIG.26B

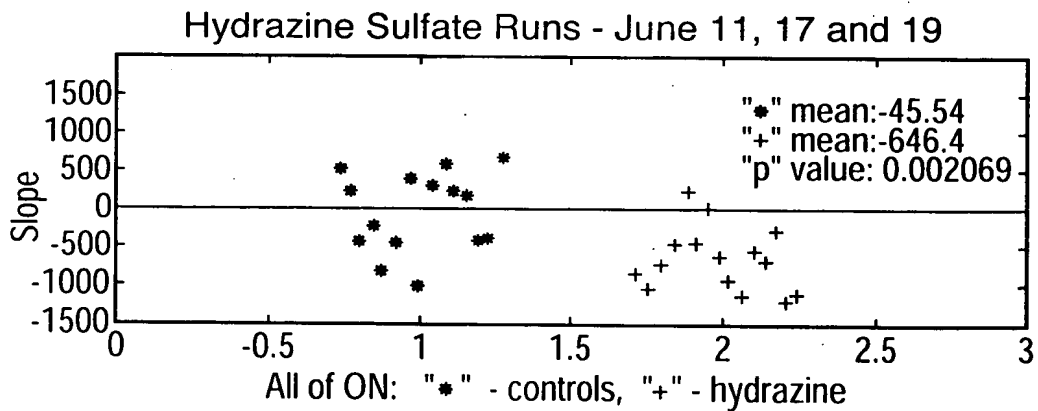


FIG.26C

Nov.25 Rim324 runs, K-P:\*, C:'o', Scatter of slopes 0 to [150 165 180 195 210 225 240] secs

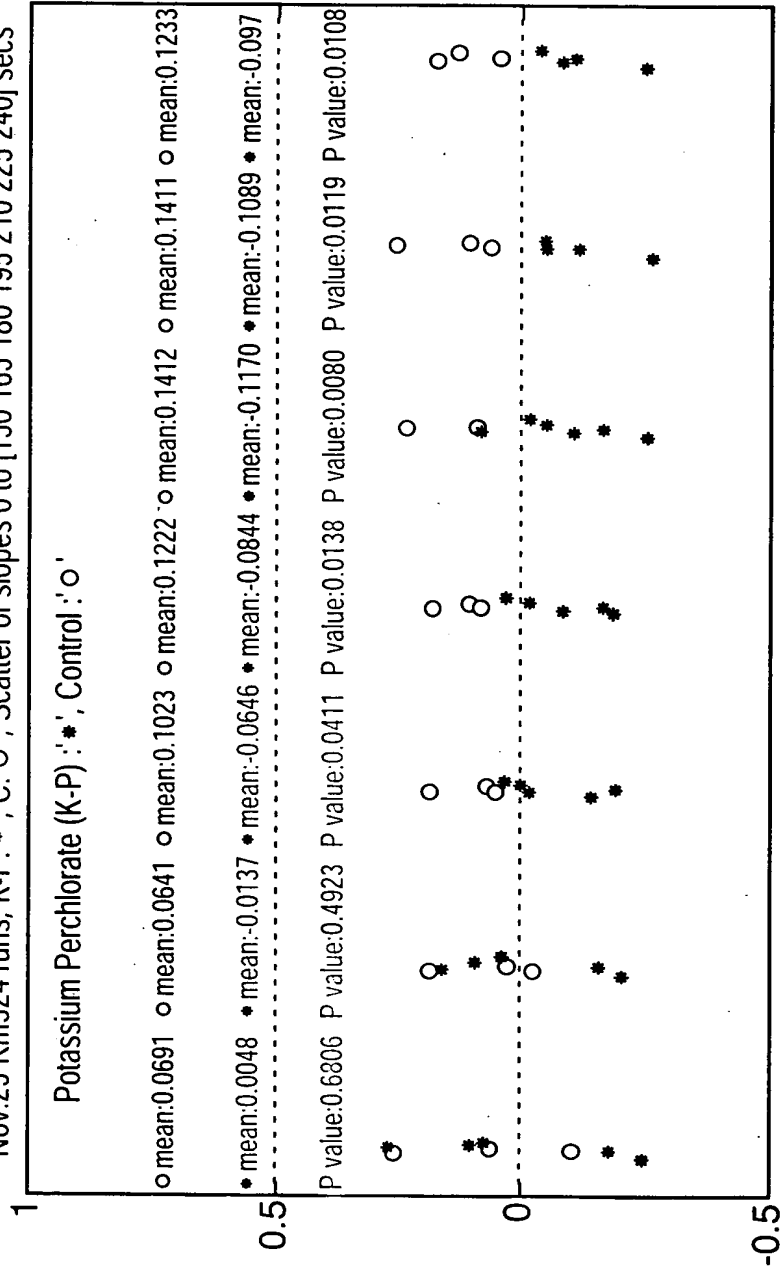


FIG.27A

K-P: \*; C: o; Scatter of 95% Confidence Limits on slopes

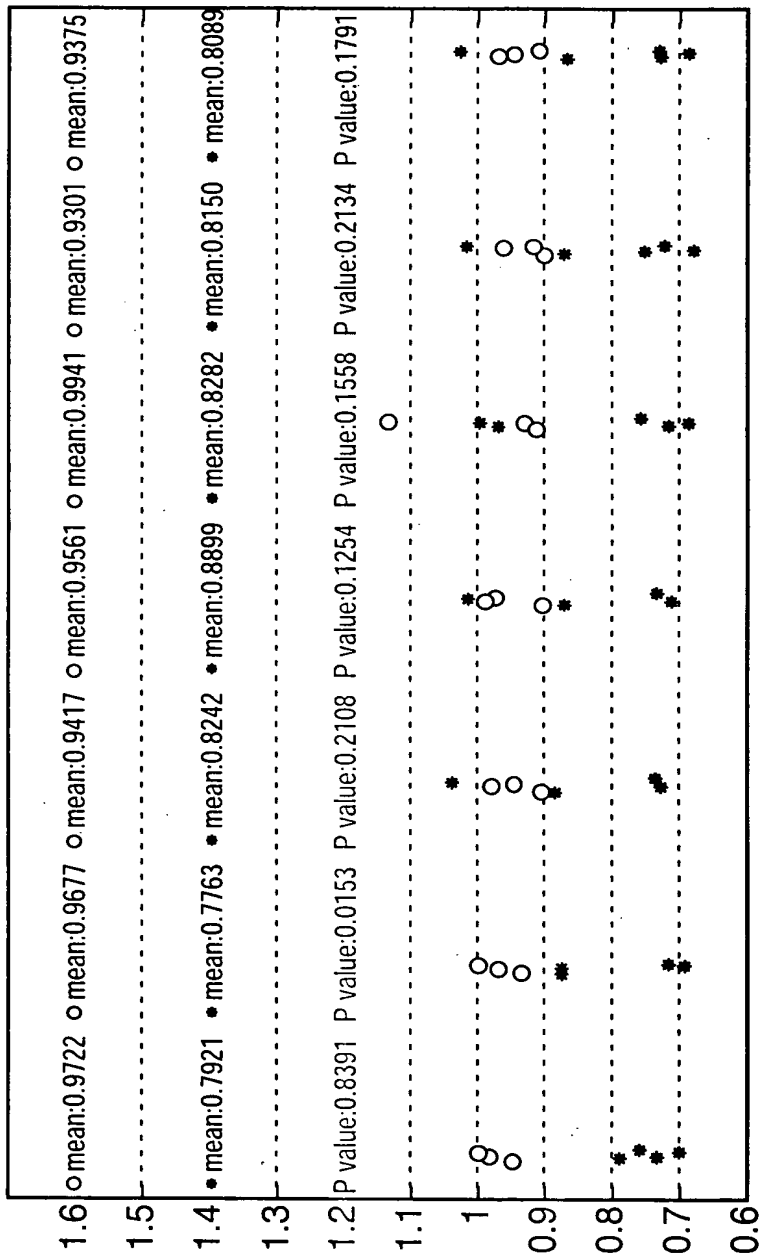


FIG.27B



Nov. 28b runs, K-P:\*, C:o', Scatter of slopes 0 to [150 165 180 195 210 225 240] secs

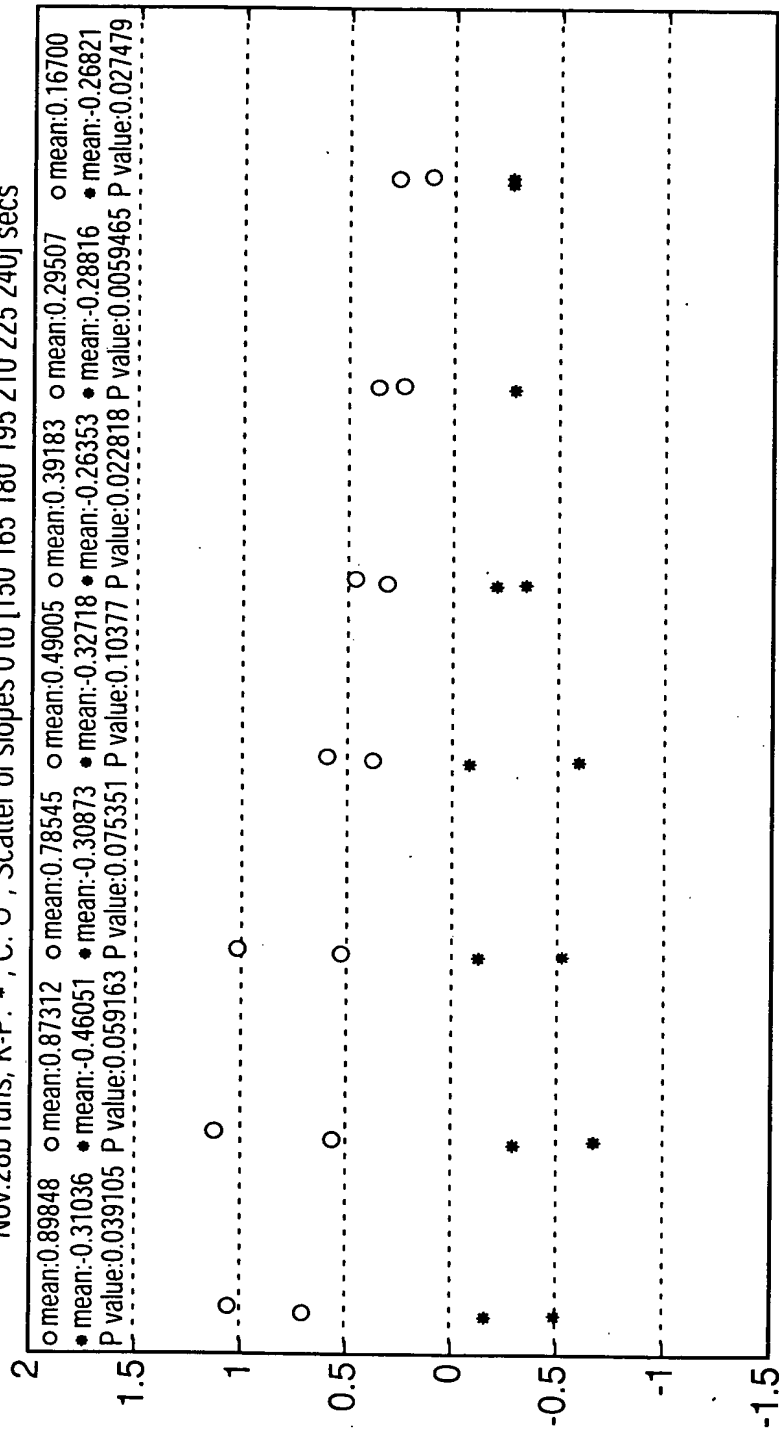


FIG.28A

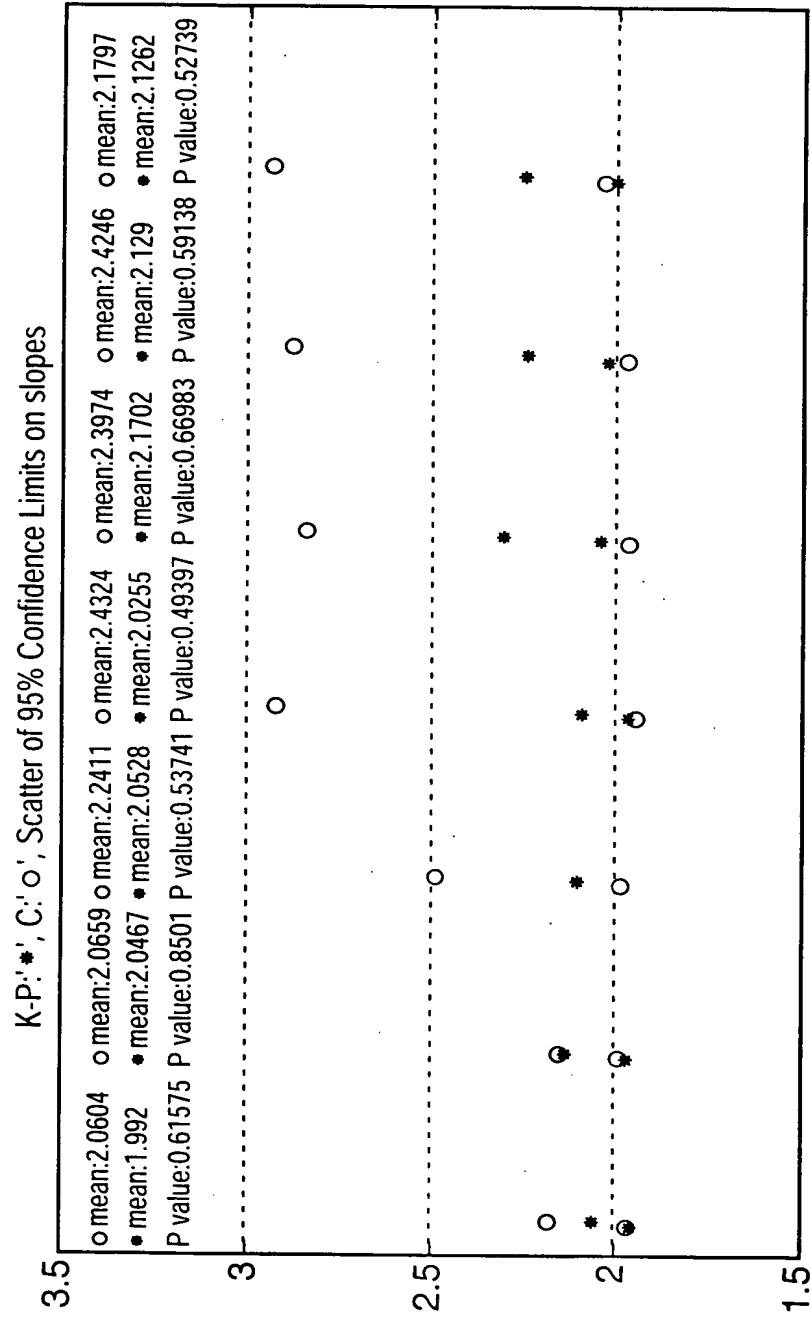


FIG.28B

Fig.29 A

COMPUTER-GENERATED  
FACSIMILE OF CHART  
RECORDING

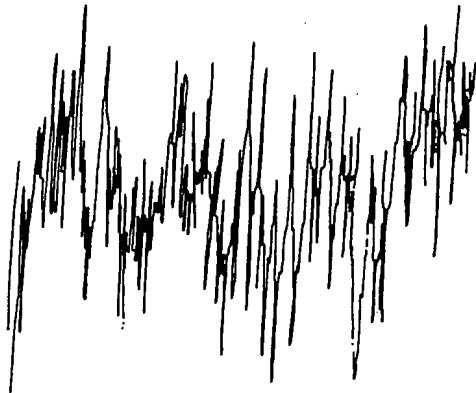
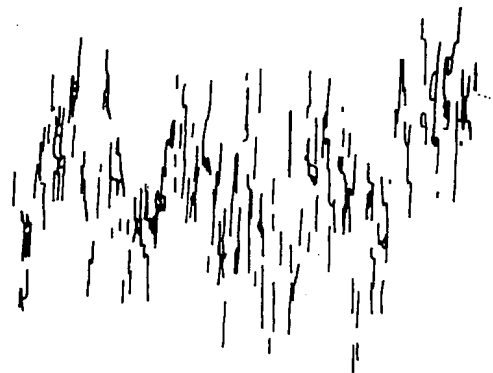


Fig.29 B

ELIMINATION OF DENSITIES  
BELOW AN ARBITRARY  
THRESHOLD. SHOWN ON  
COMPUTER SCREEN  
FACSIMILE OF CHART  
RECORDING



#### REPRESENTATIVE CALCULATIONS

- \* number of densities: 136
- \* number of densities with areas  $> 70$  units
- \* Total area of densities: 5709 units
- \* Total area of densities  $> 70$  units: 2559 units

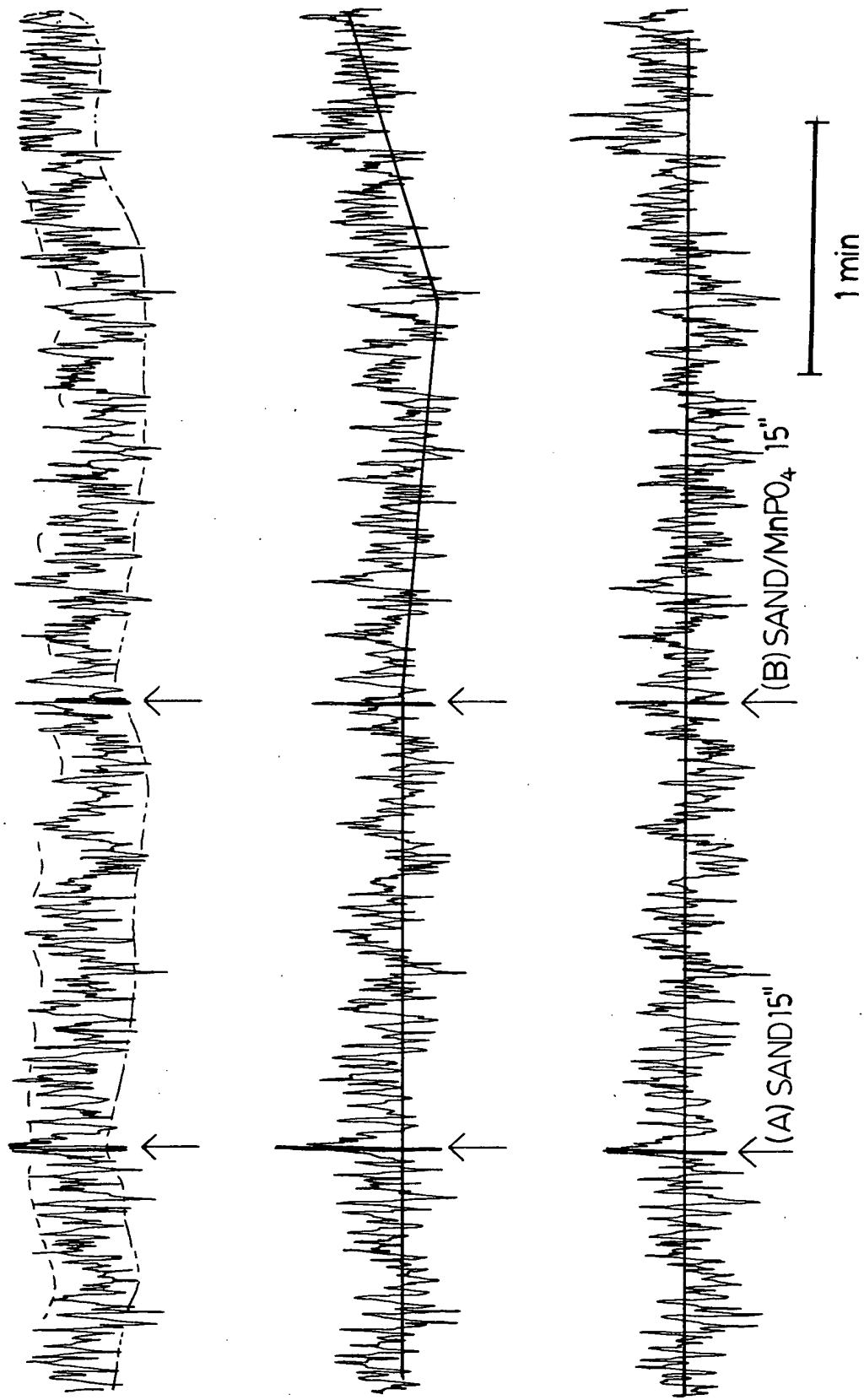


FIG.30

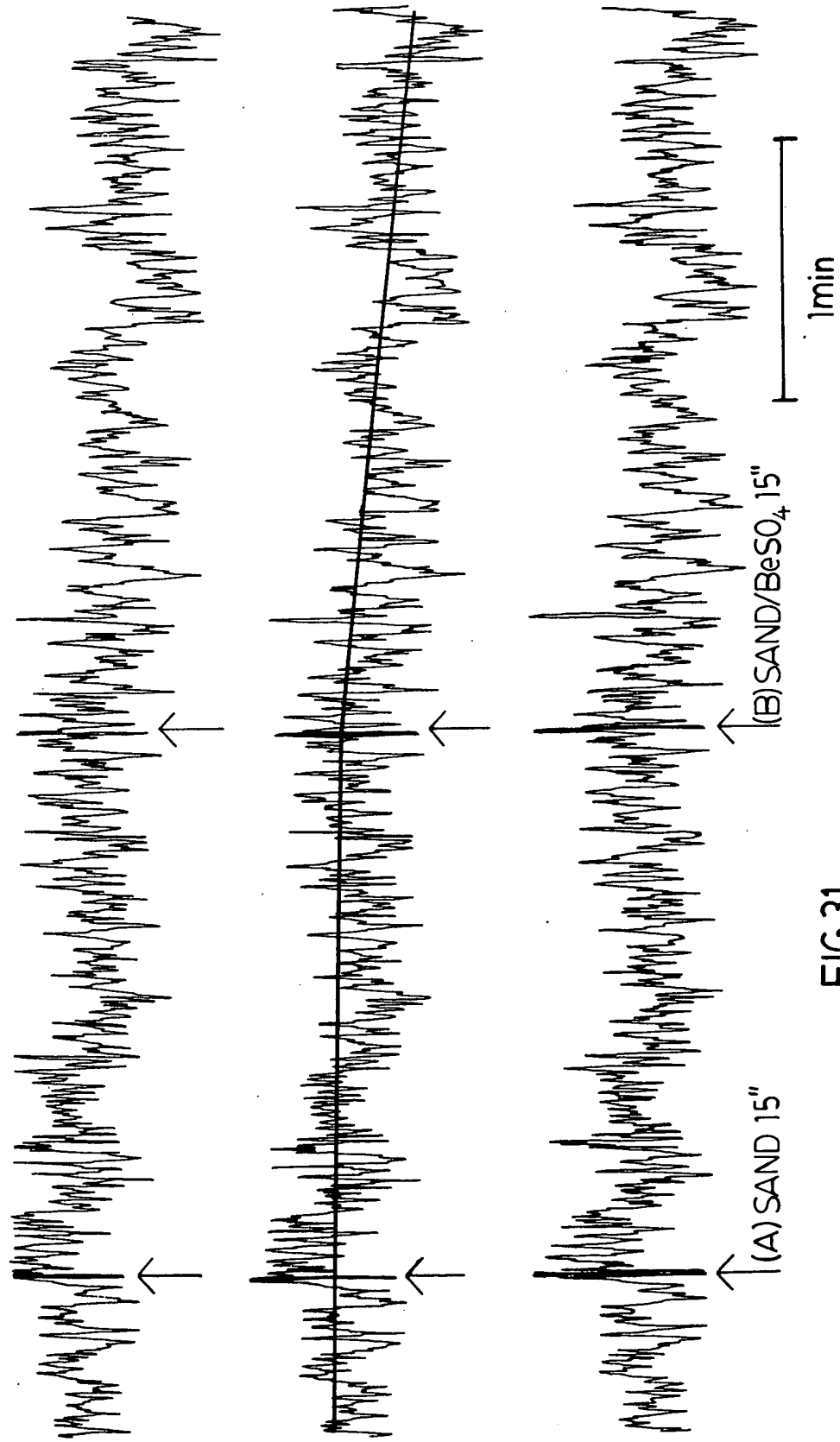


FIG.31

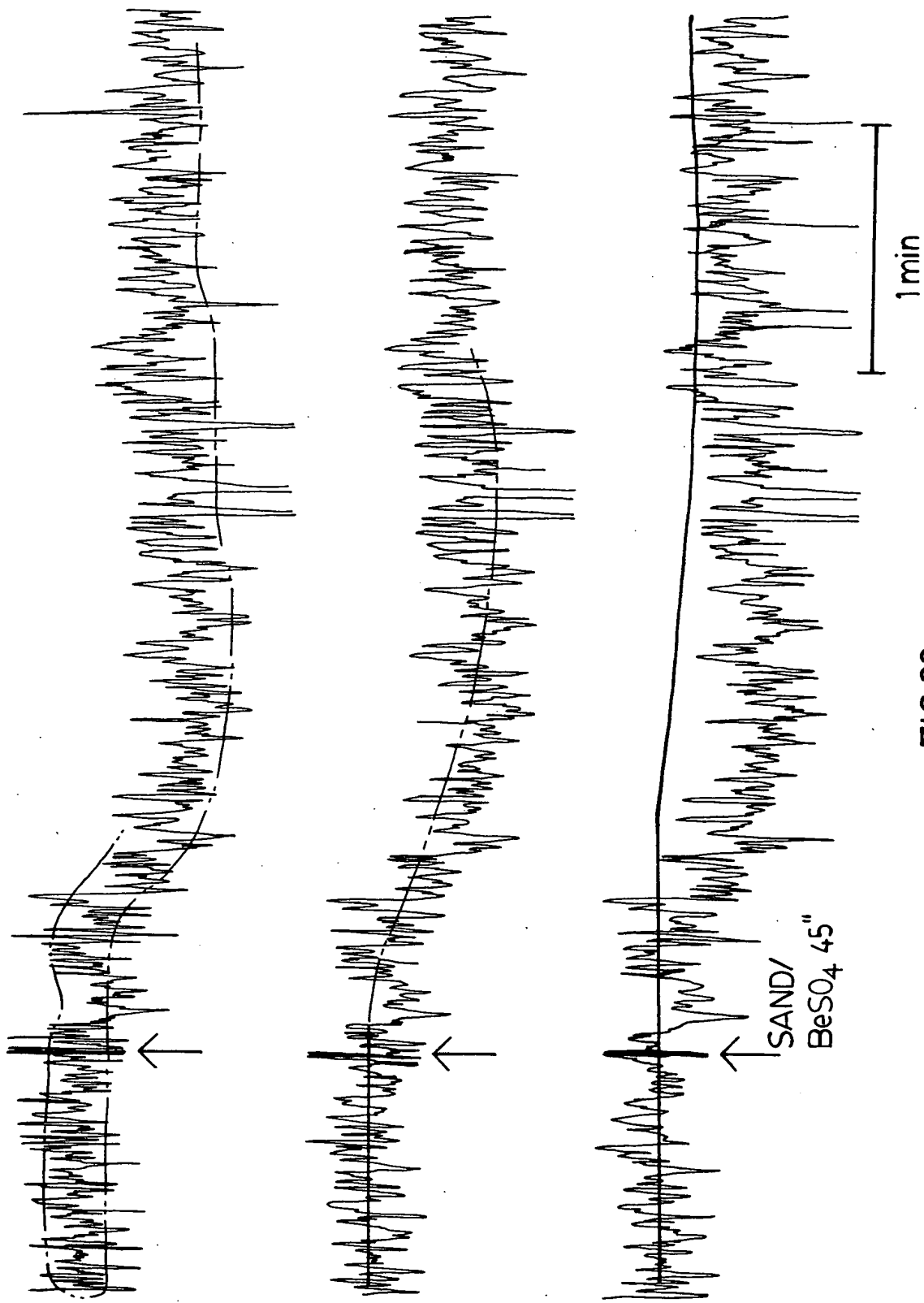


FIG.32

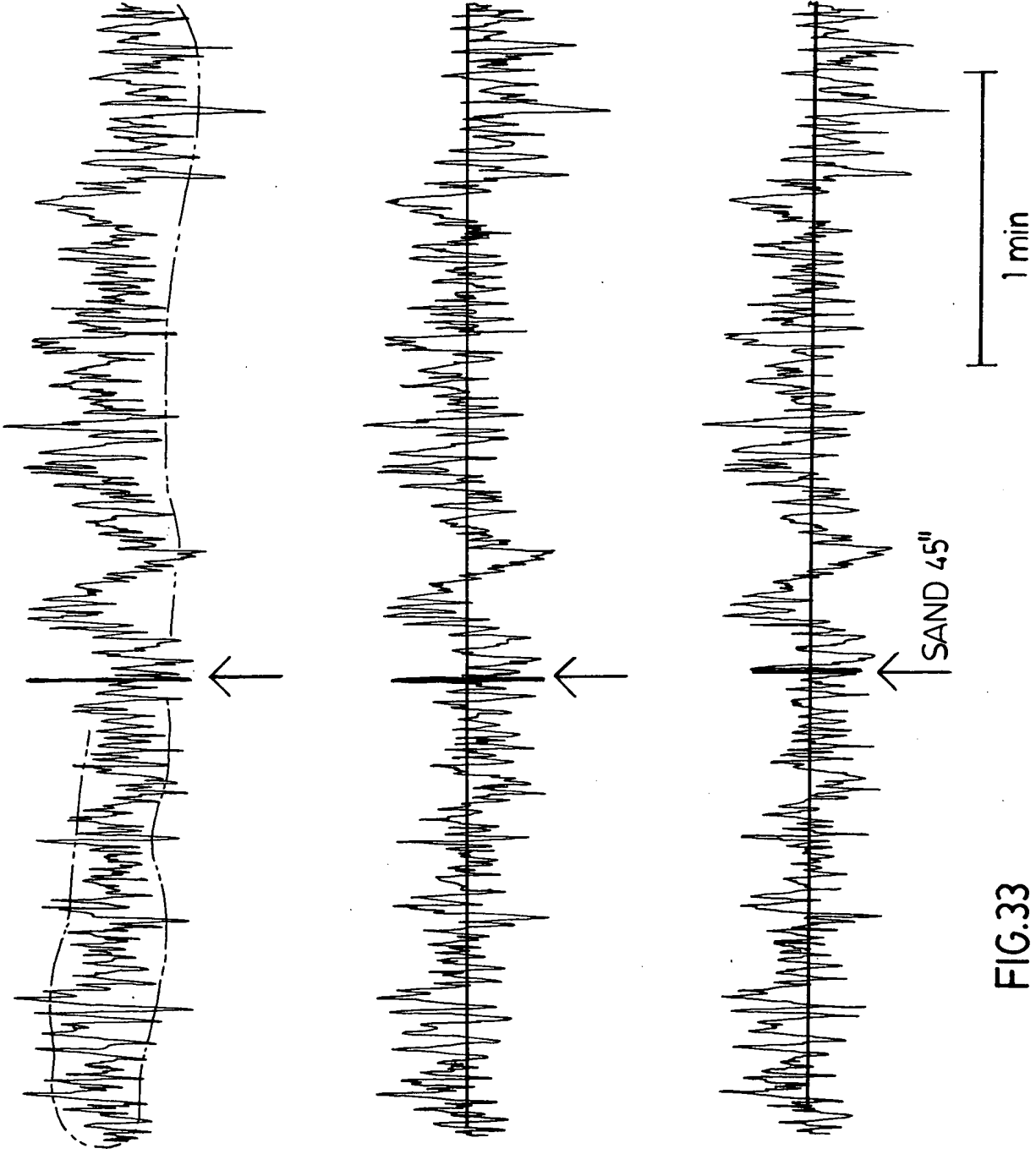
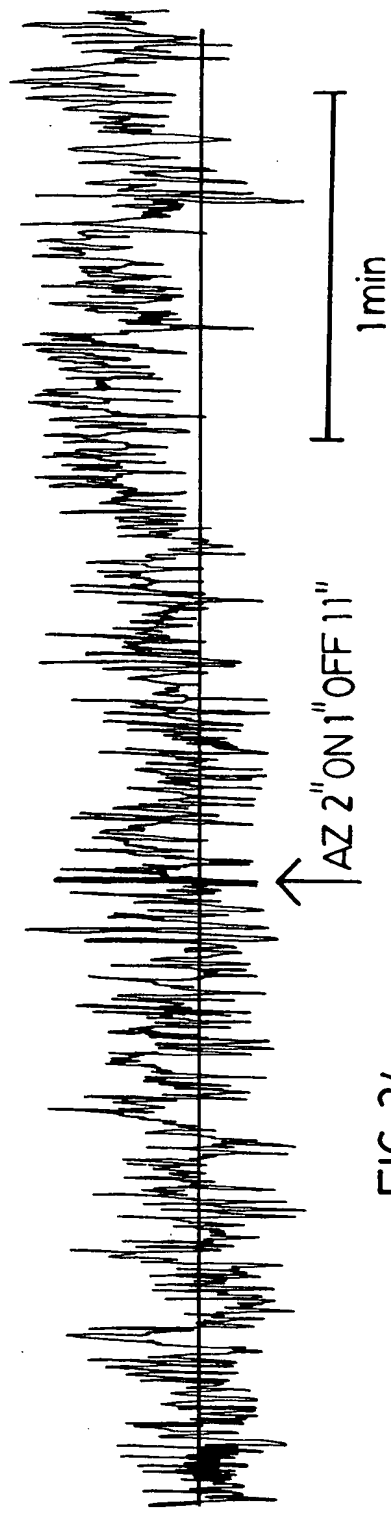
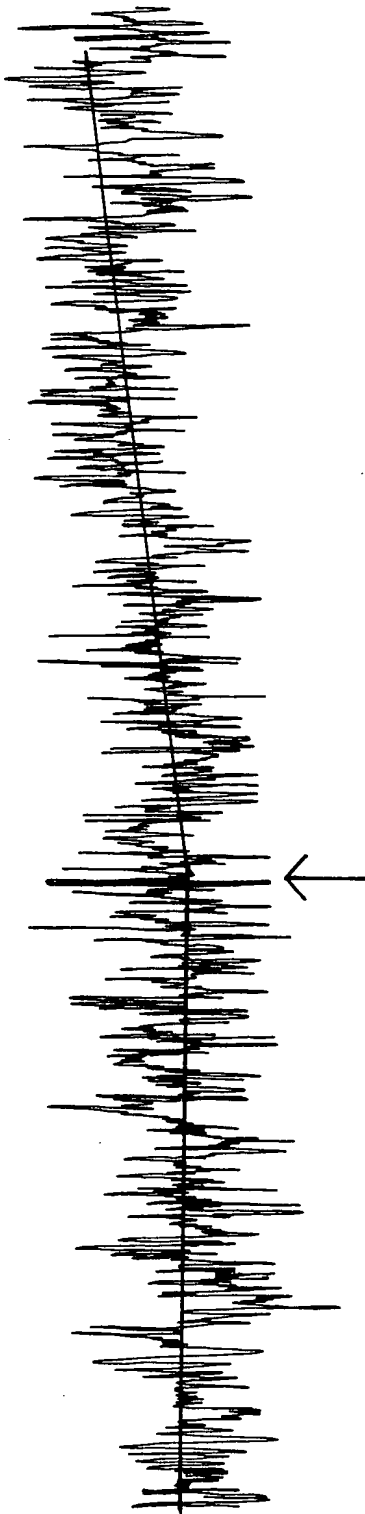
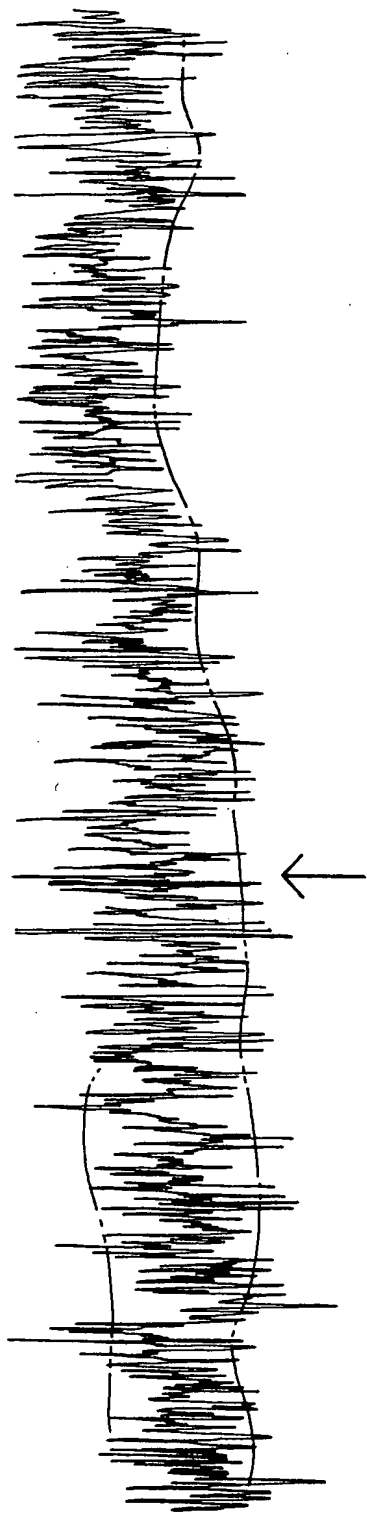


FIG.33



AZ 2" ON 1" OFF 1"

FIG. 34



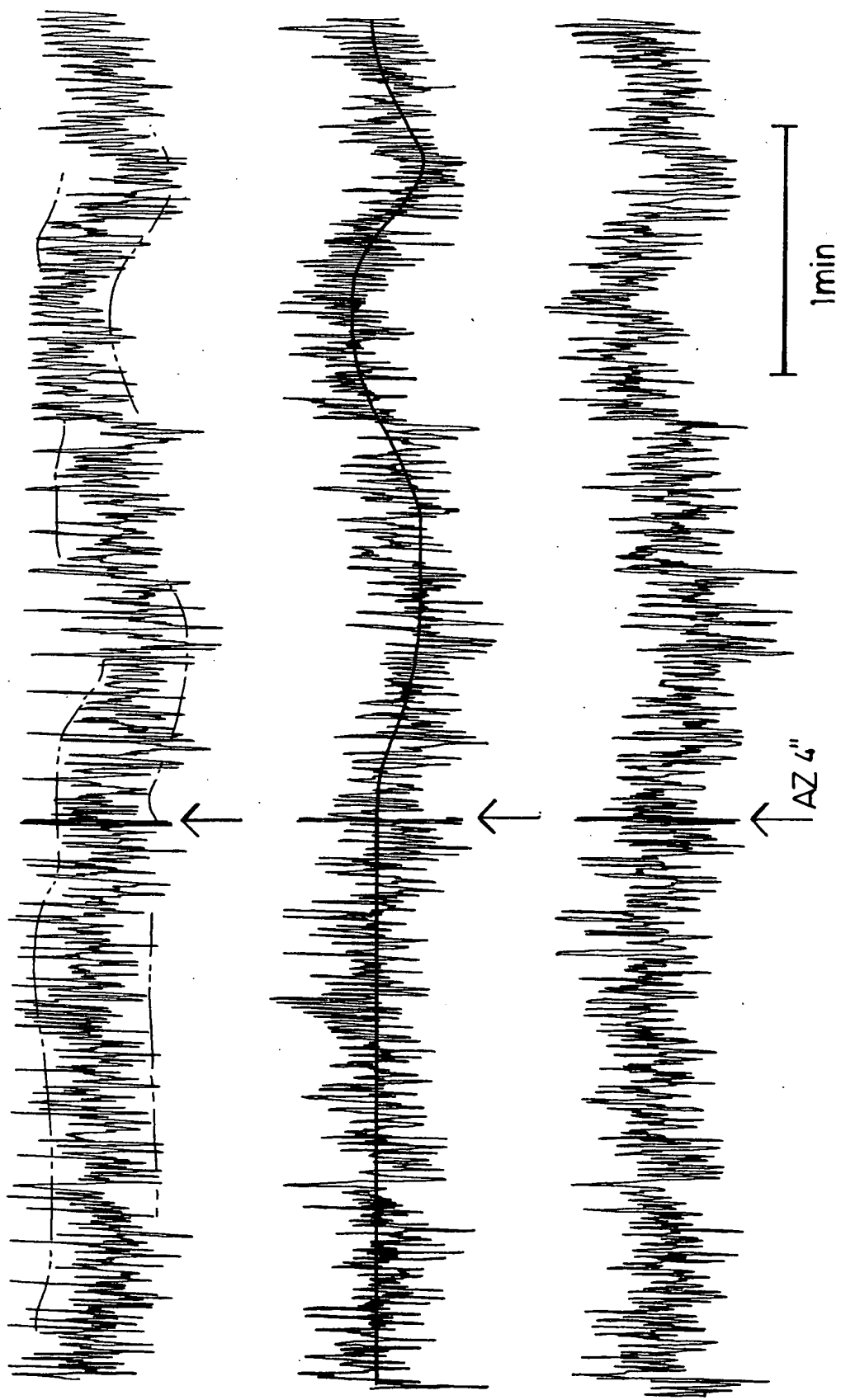


FIG.35

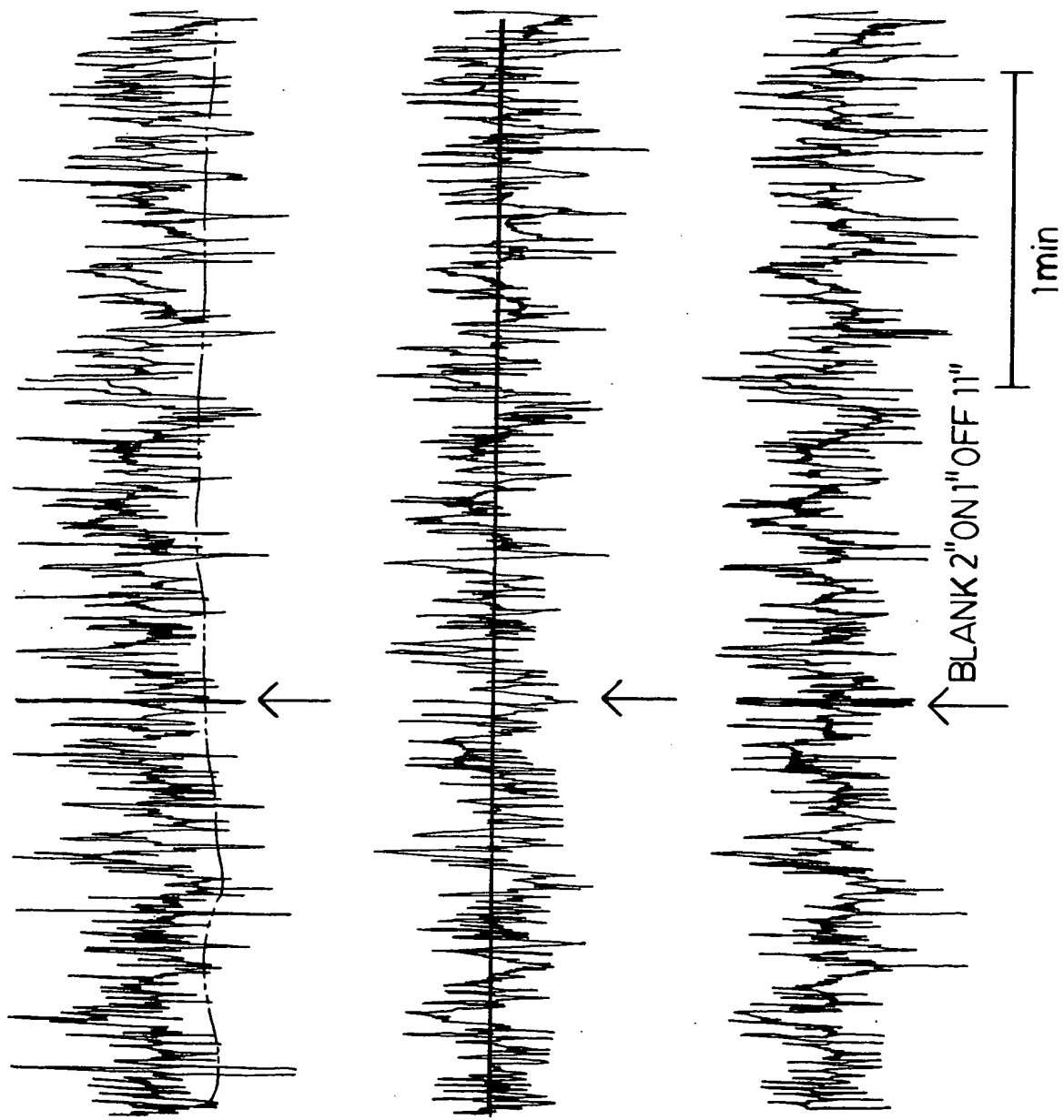


FIG.36

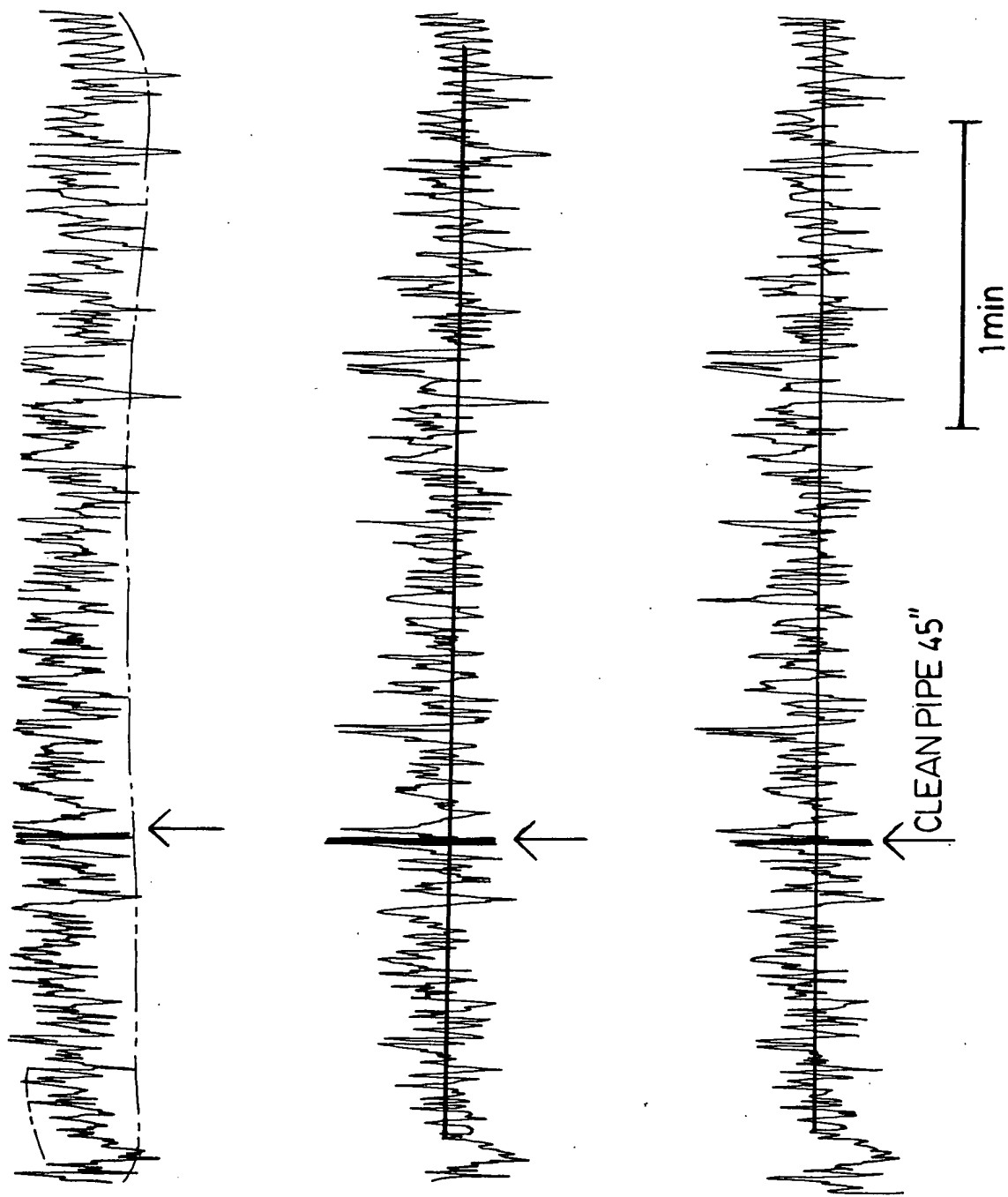


FIG.37

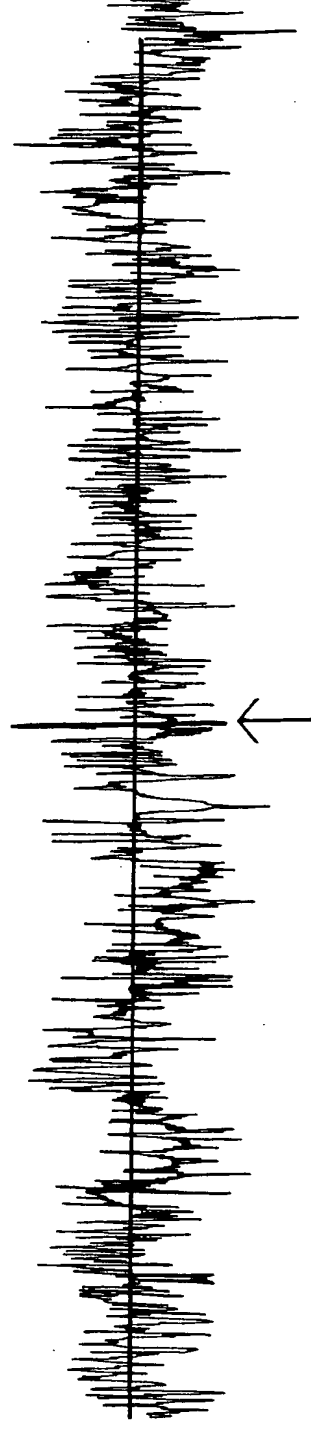
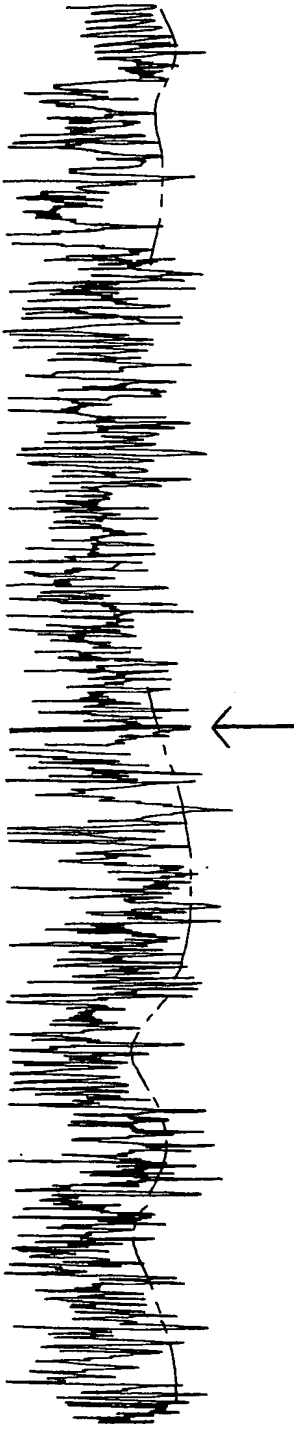
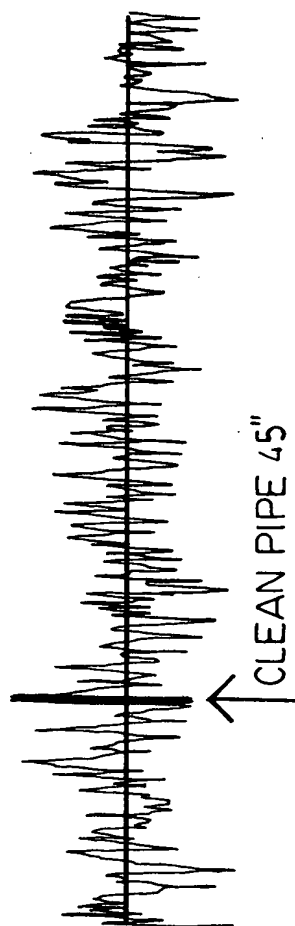
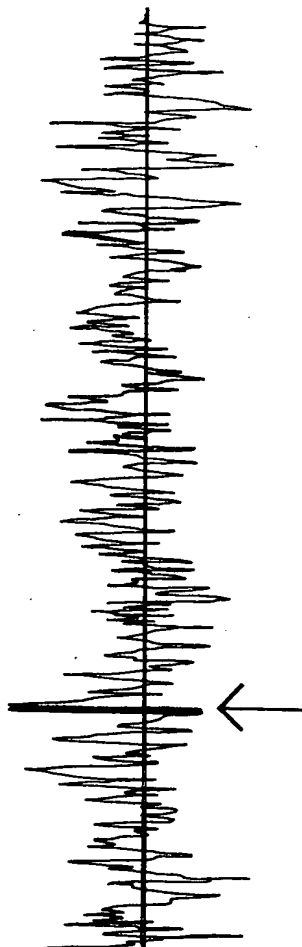
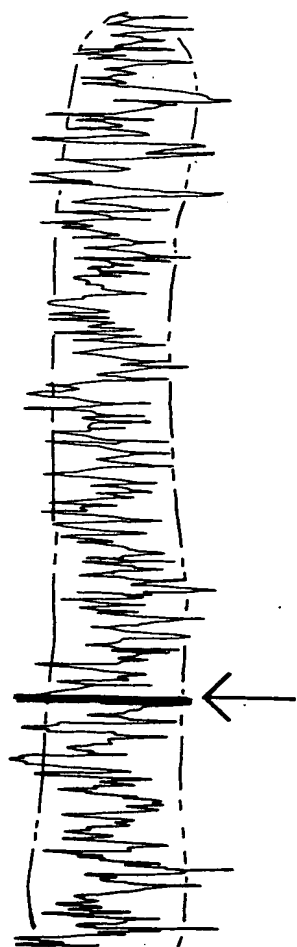


FIG.38



1min

FIG.39

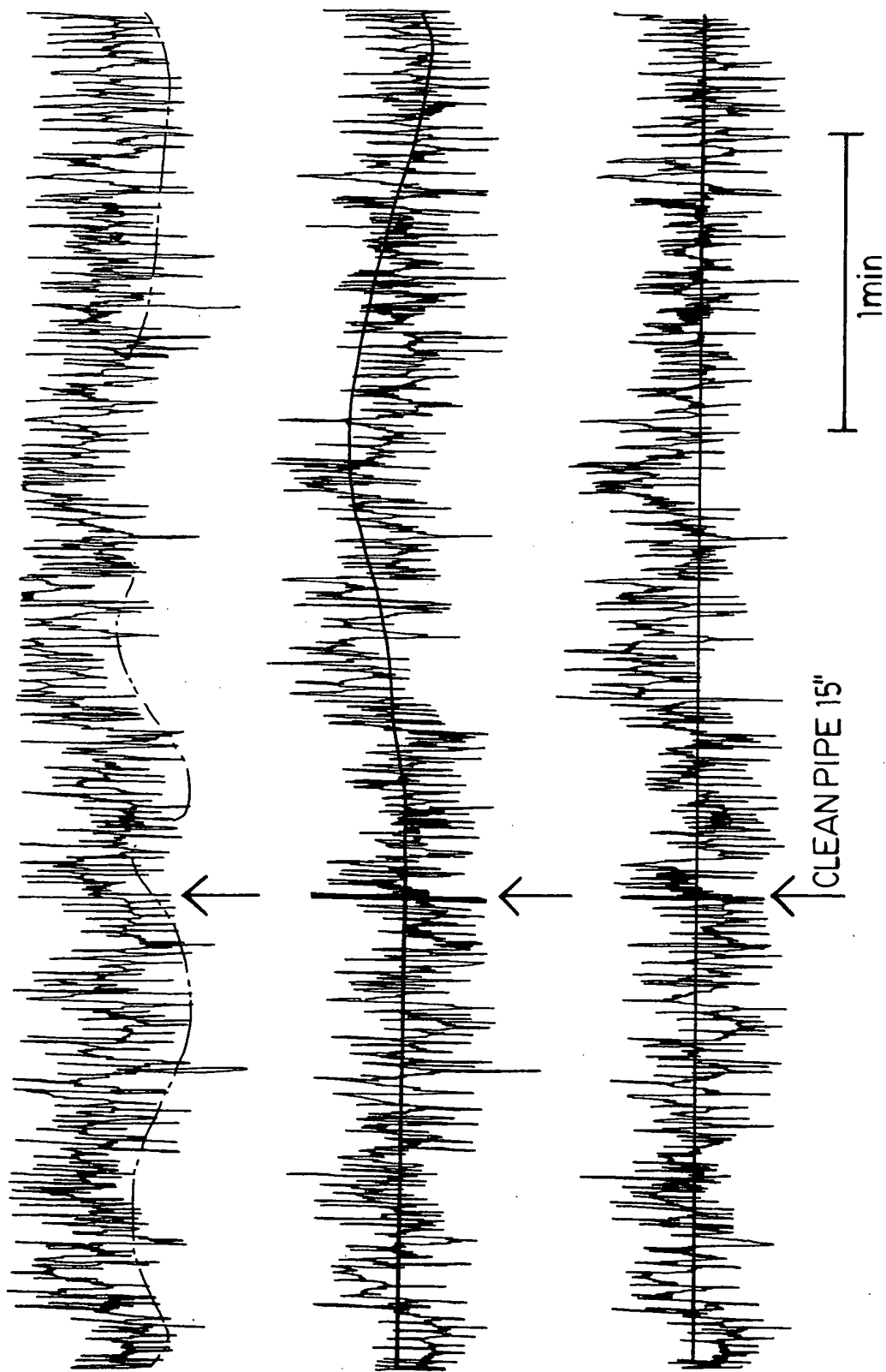


FIG.40

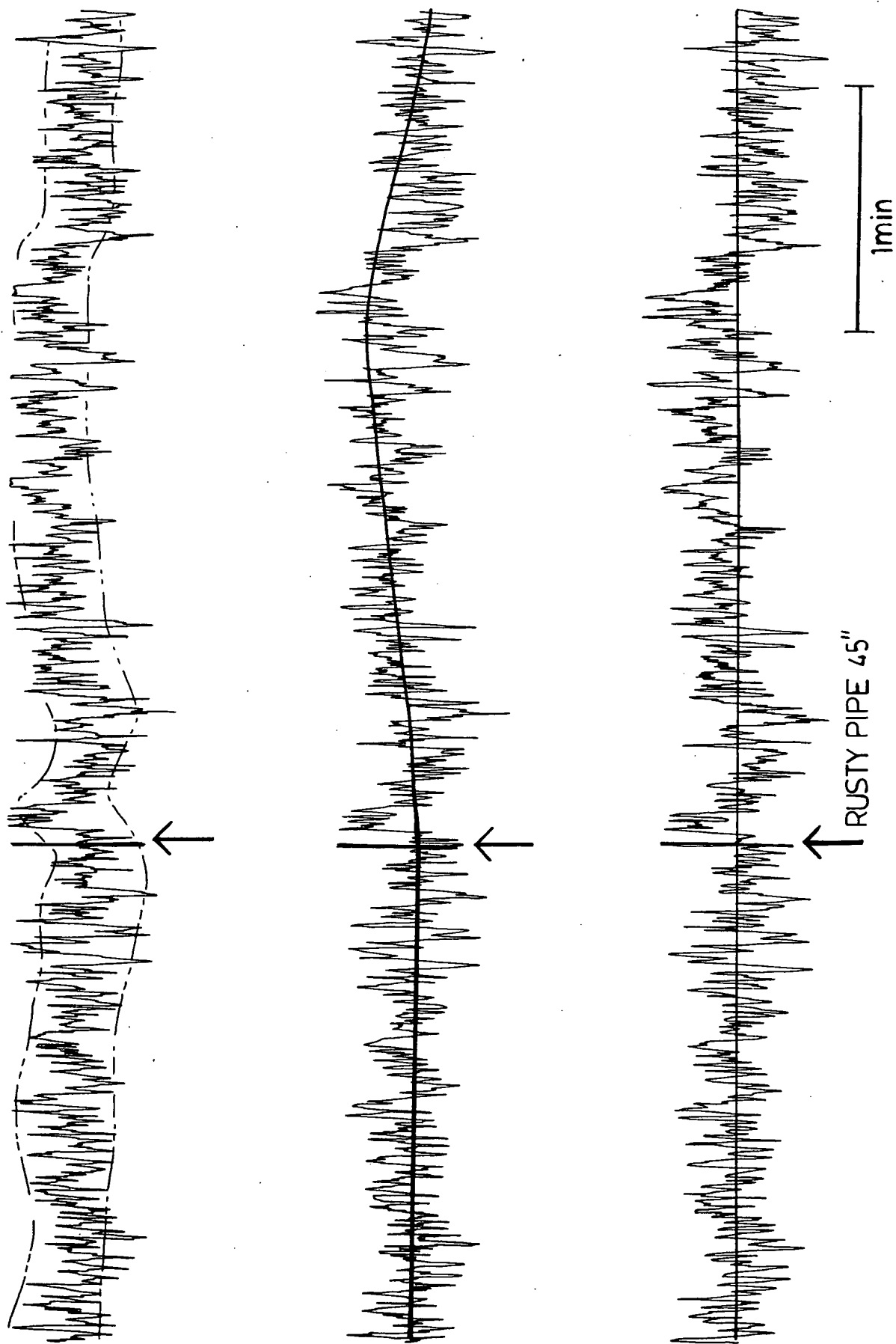


FIG.41

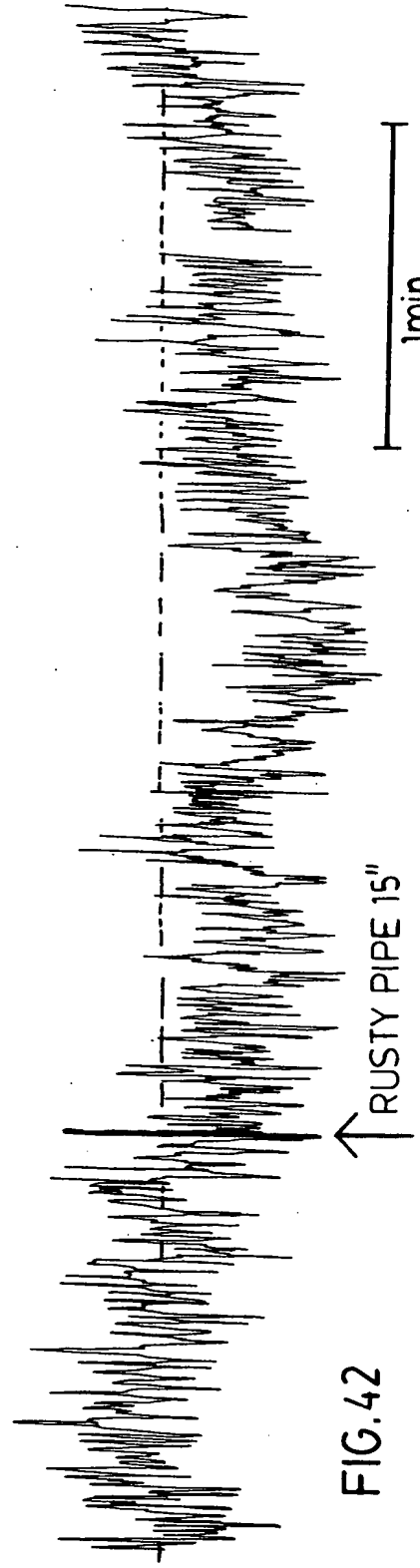
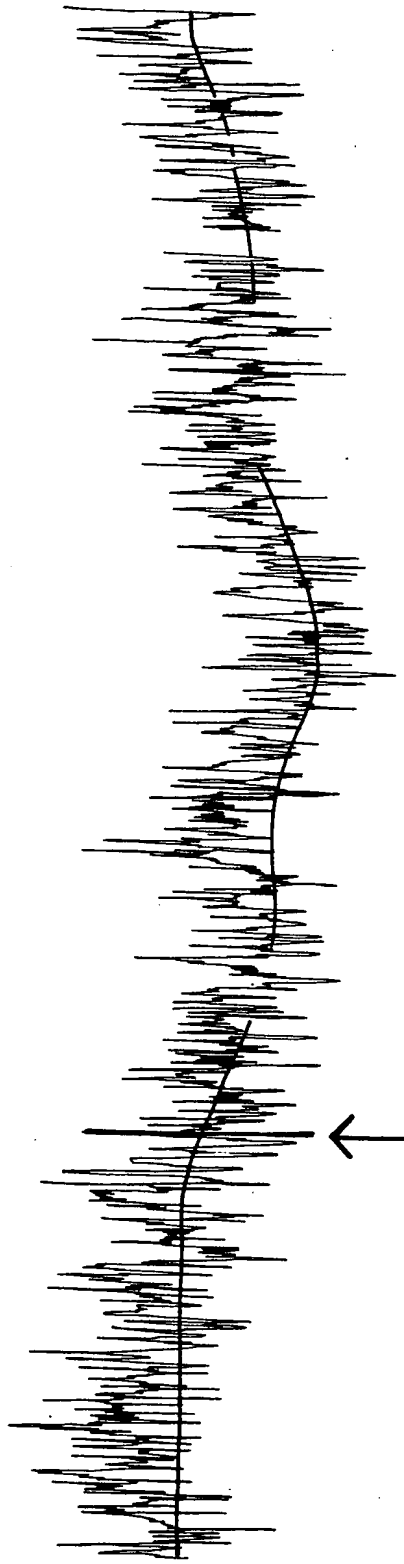
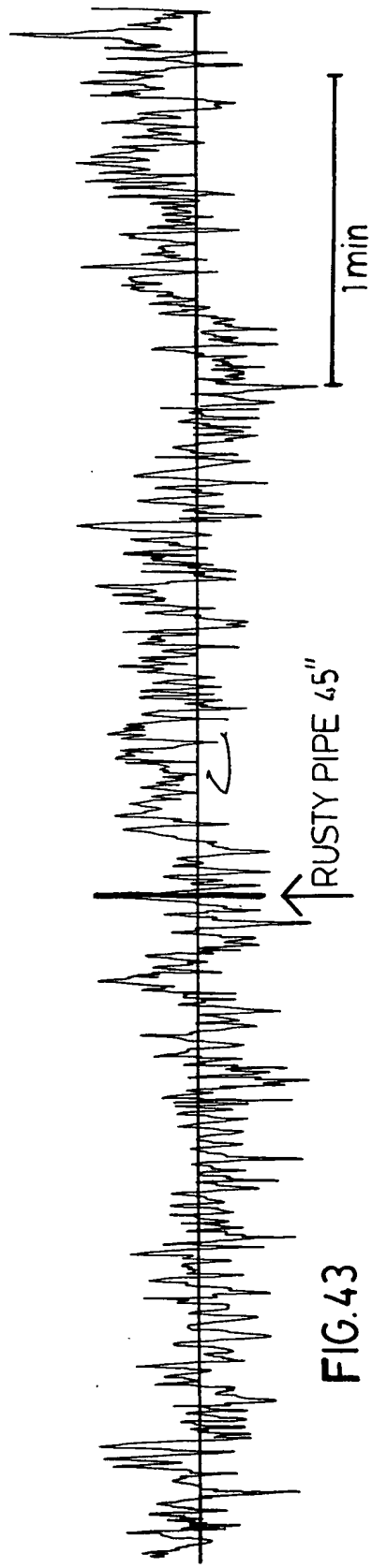
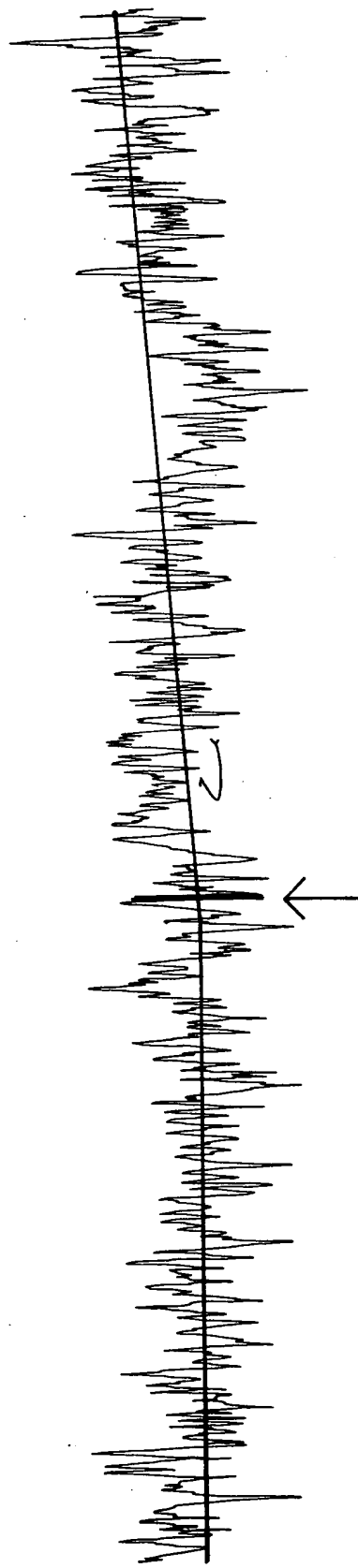
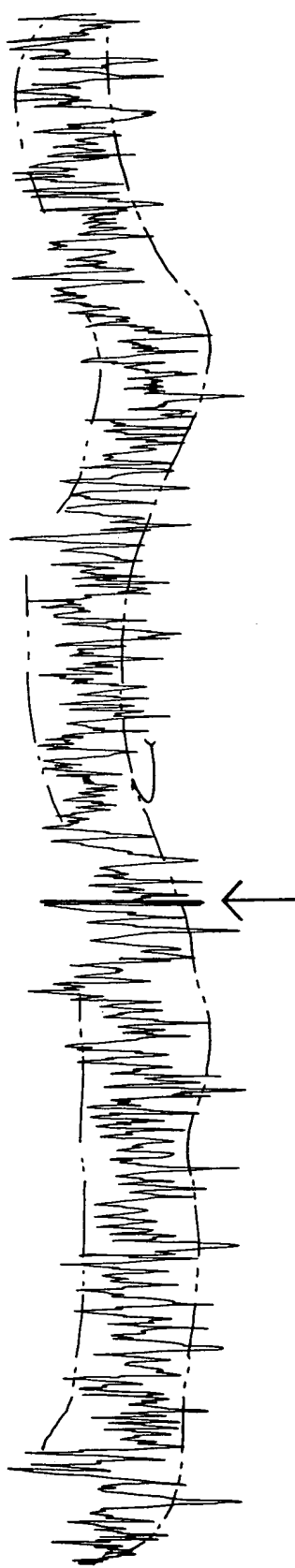


FIG.42

↑ RUSTY PIPE 15"

1min





RUSTY PIPE 45"

1 min

FIG.43

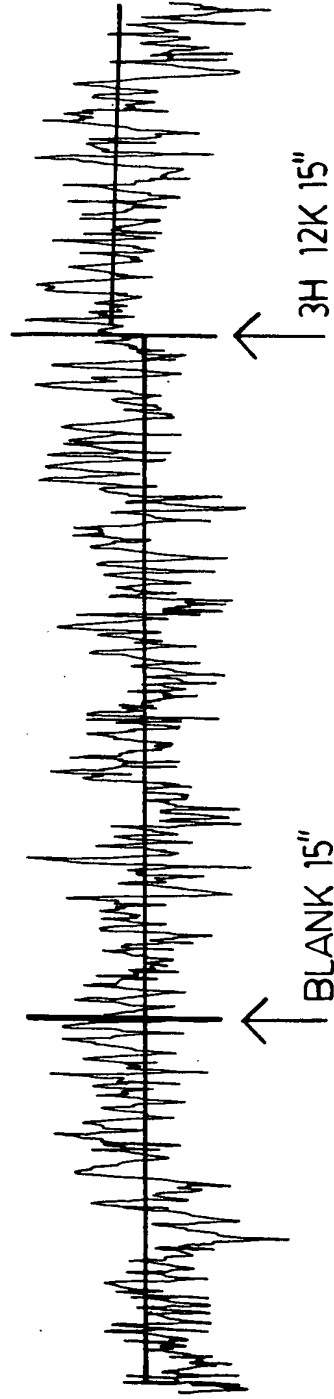
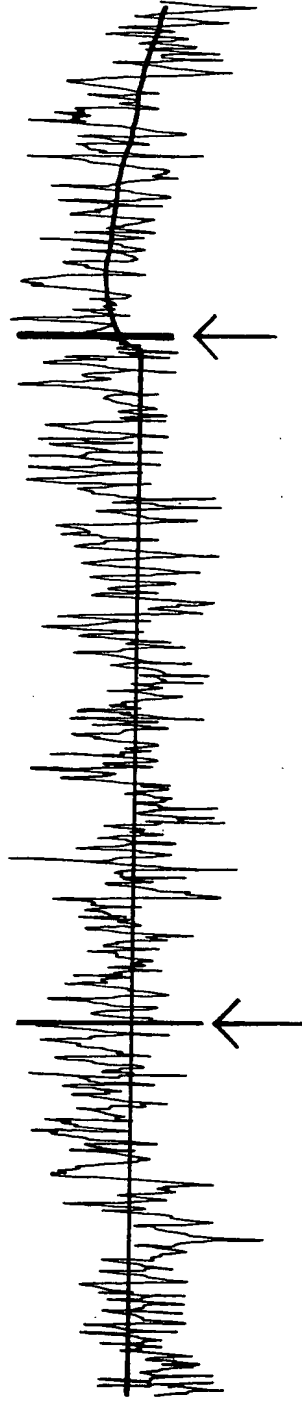


FIG. 44

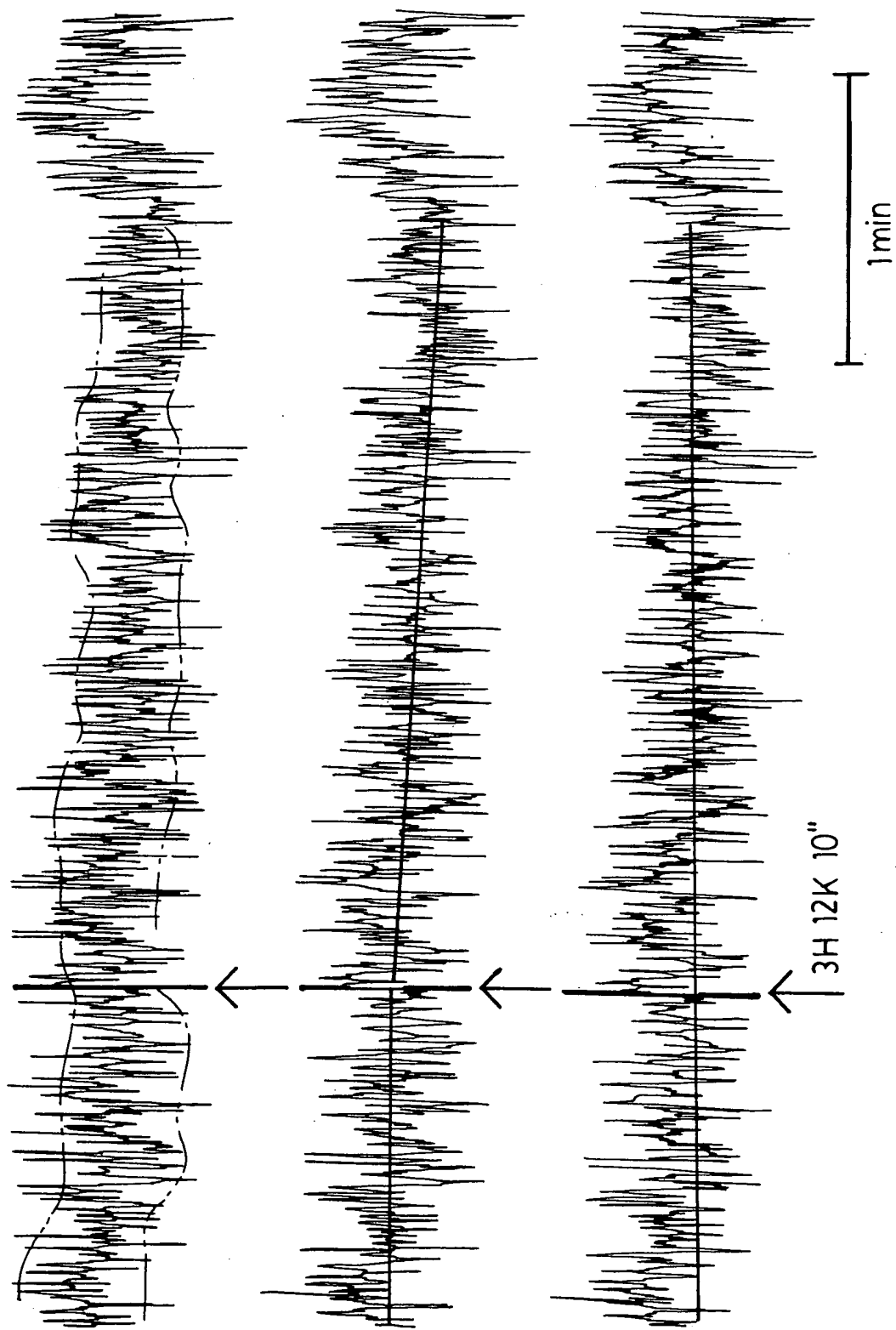


FIG.45

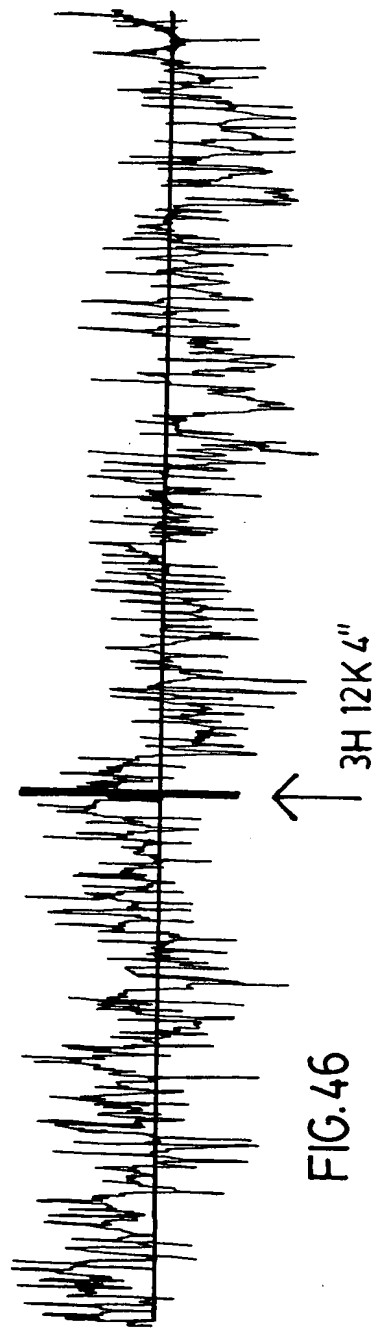
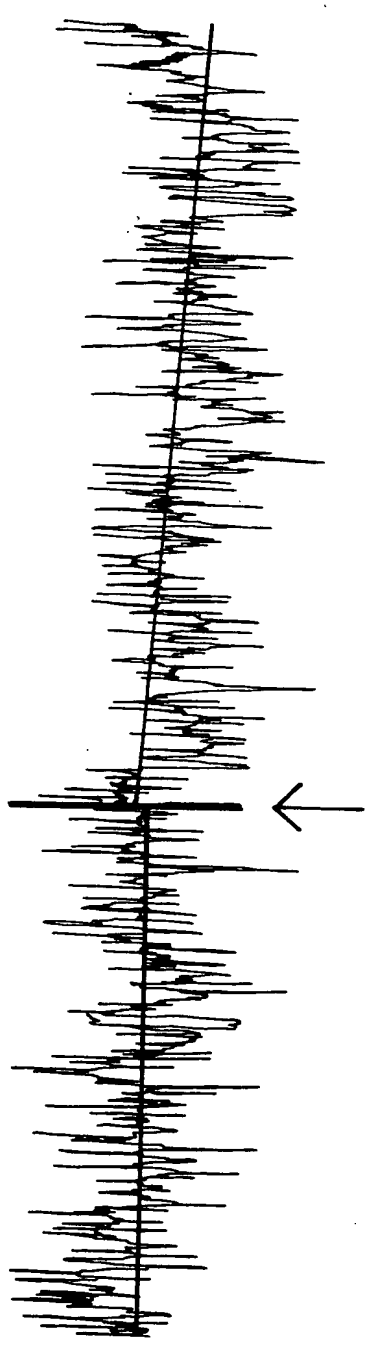


FIG.46

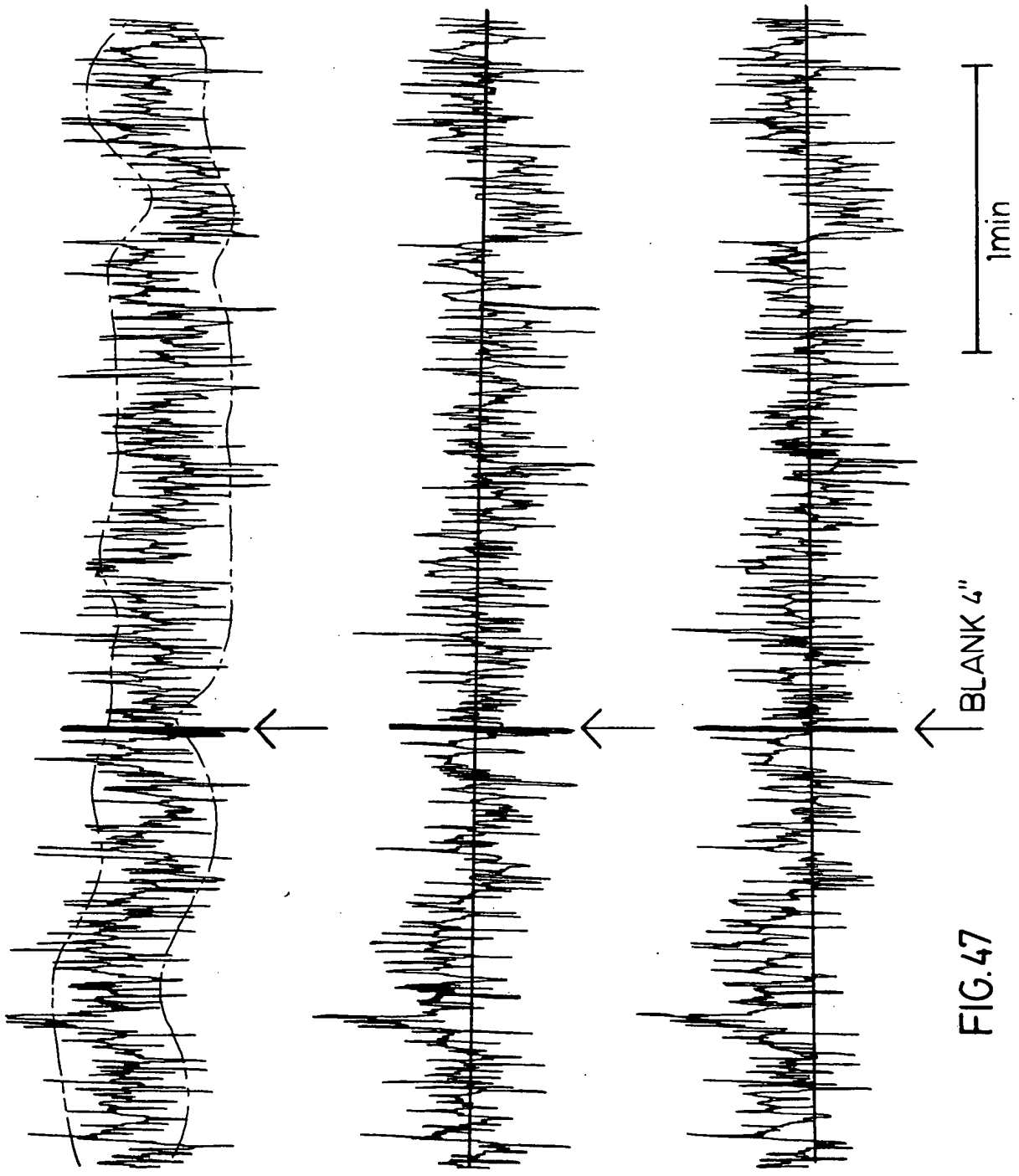


FIG.47

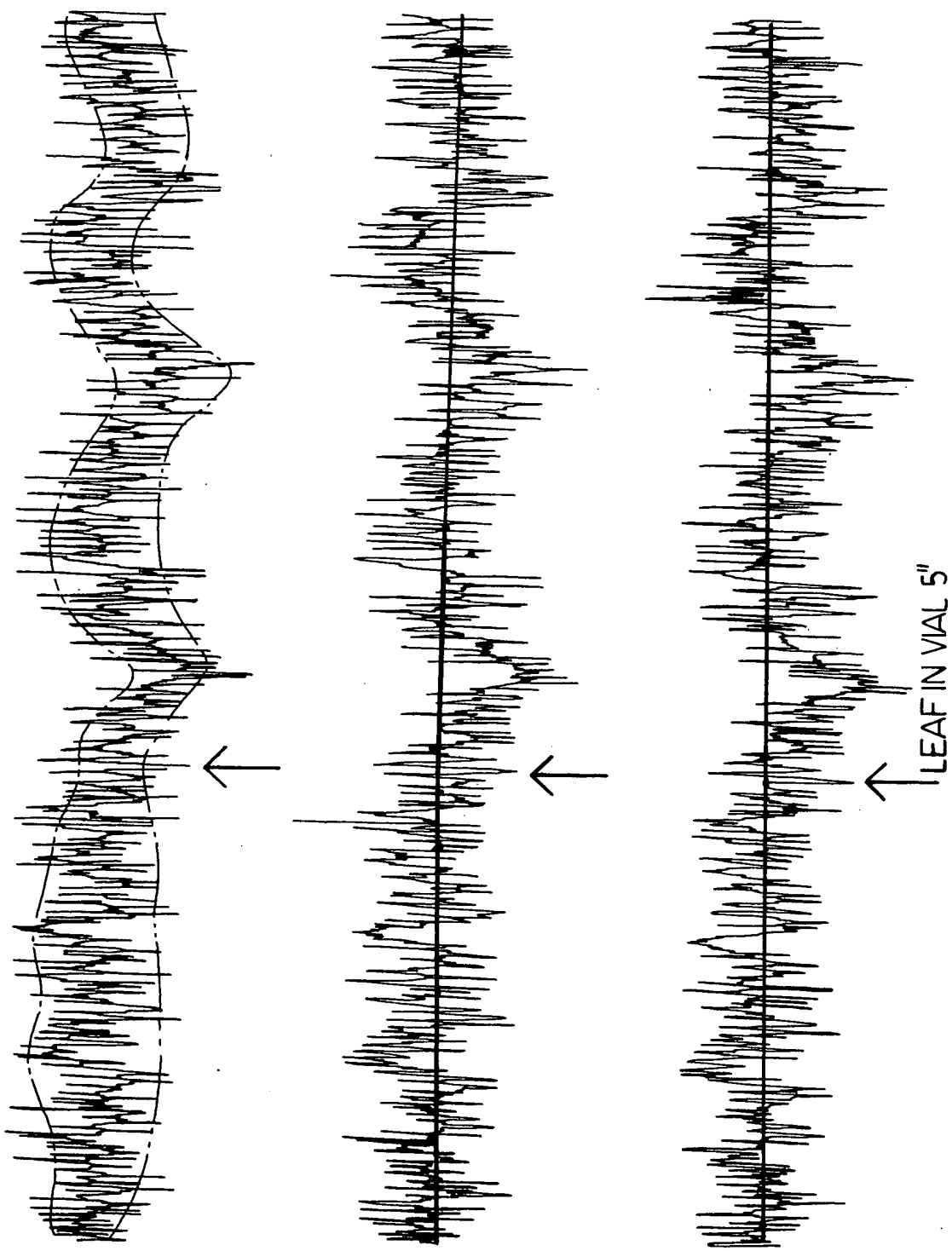


FIG.48

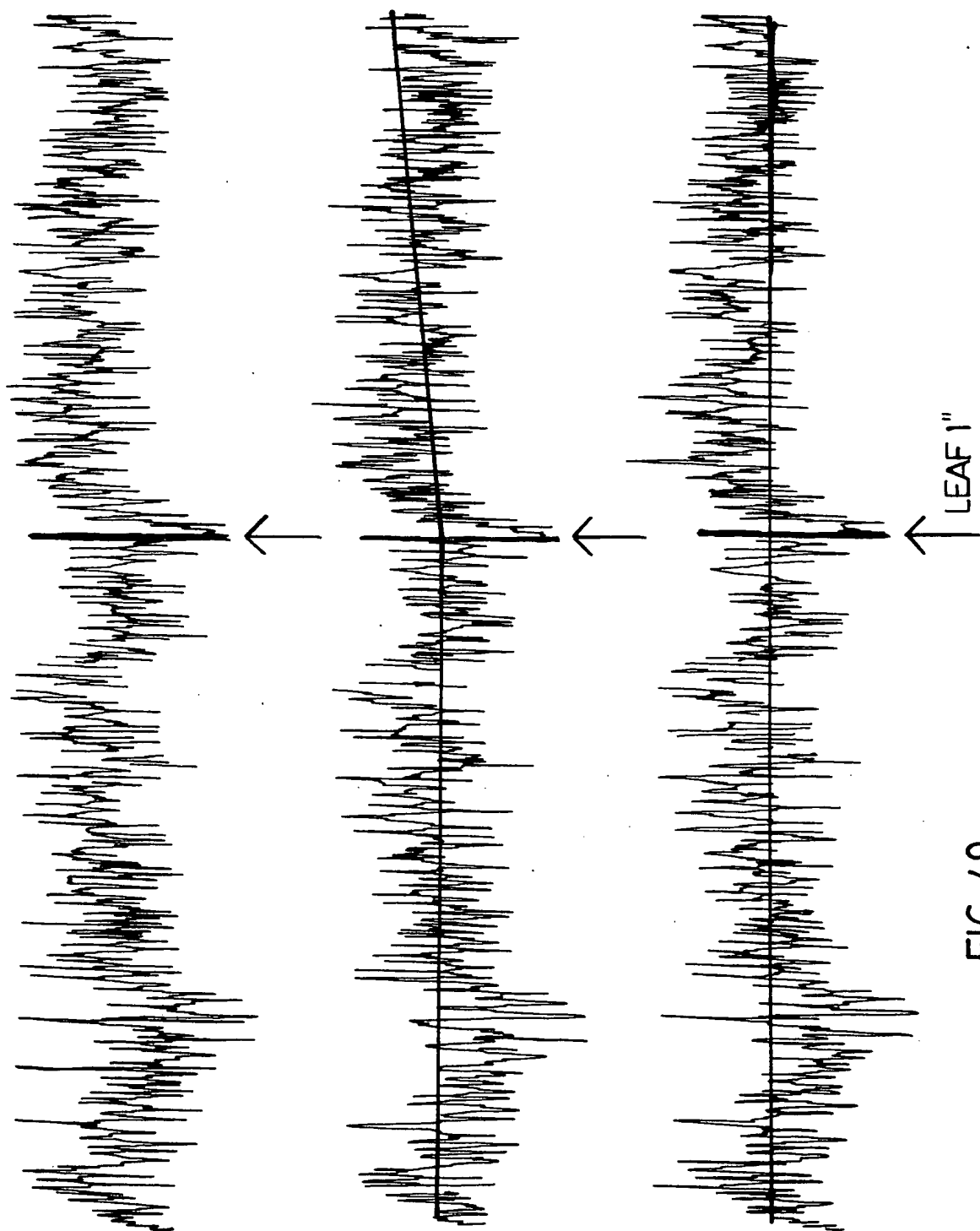


FIG. 49